Red Hat Enterprise Linux 5
5.3 Technical Notes

Detailed notes on the changes implemented in Red Hat Enterprise Linux 5.3
Edition 1

Engineering Content ServicesDon Domingo

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Abstract

The Red Hat Enterprise Linux 5.3 Technical Notes list and document the changes made to the Red Hat Enterprise Linux operating system and its accompanying applications between Red Hat Enterprise Linux 5.2 and minor release Red Hat Enterprise Linux 5.3.

Table of Contents

1. Added Packages 2
2. Dropped Packages 13
3. Updated Packages 13

This document is a record of all package changes since the last minor update of Red Hat Enterprise Linux 5.

1. Added Packages

dapl-2.0.7-2.el5

- Group: **System Environment/Libraries**
- Summary: **Library providing access to the DAT 1.2 and 2.0 APIs**
- Description:

```
libdat and libdapl provide a userspace implementation of the DAT 1.2 and
2.0
API that is built to natively support InfiniBand/iWARP network
technology.
```

dstat-0.6.6-3.el5

- Group: **System Environment/Base**
- Summary: **Versatile resource statistics tool**
- Description:

```
Dstat is a versatile replacement for vmstat, iostat, netstat and ifstat.
Dstat overcomes some of their limitations and adds some extra features,
more counters and flexibility. Dstat is handy for monitoring systems
during performance tuning tests, benchmarks or troubleshooting.

Dstat allows you to view all of your system resources instantly, you
can eg. compare disk usage in combination with interrupts from your
IDE controller, or compare the network bandwidth numbers directly
with the disk throughput (in the same interval).

Dstat gives you detailed selective information in columns and clearly
indicates in what magnitude and unit the output is displayed. Less
confusion, less mistakes.
```

ecryptfs-utils-41-1.el5

- Group: **System Environment/Base**
- Summary: **The eCryptfs mount helper and support libraries**
- Description:

```
eCryptfs is a stacked cryptographic filesystem that ships in the
Linux kernel. This package provides the mount helper and supporting
libraries to perform key management and mount functions.

Install ecryptfs-utils if you would like to mount eCryptfs.
```

freeipmi-0.5.1-5.el5

- Group: **Applications/System**

- Summary: **FreeIPMI**
- Description:

```
The FreeIPMI project provides "Remote-Console" (out-of-band) and
"System Management Software" (in-band) based on Intelligent
Platform Management Interface specification.

This package contains a Technology Preview for FreeIPMI. Please visit
http://www.redhat.com/support/service/ for details on the Red Hat
support
policies.
```

gtk-vnc-0.3.2-3.el5

- Group: **Development/Libraries**
- Summary: **A GTK widget for VNC clients**
- Description:

```
gtk-vnc is a VNC viewer widget for GTK. It is built using coroutines
allowing it to be completely asynchronous while remaining single
threaded.
```

ibsim-0.4-2.el5

- Group: **System Environment/Libraries**
- Summary: **InfiniBand fabric simulator for management**
- Description:

```
ibsim provides simulation of infiniband fabric for using with OFA
OpenSM,
diagnostic and management tools.
```

infiniband-diags-1.3.6-1.el5

- Group: **System Environment/Libraries**
- Summary: **OpenFabrics Alliance InfiniBand Diagnostic Tools**
- Description:

```
This package provides IB diagnostic programs and scripts needed to
diagnose an IB subnet.
```

isns-utils-0.91-0.1.el5

- Group: **System Environment/Daemons**
- Summary: **The iSNS daemon and utility programs**
- Description:

```
The iSNS package contains the daemon and tools to setup a iSNS server,
and iSNS client tools. The Internet Storage Name Service (iSNS) protocol
allows automated discovery, management and configuration of iSCSI and
Fibre Channel devices (using iFCP gateways) on a TCP/IP network.
```

libcxgb3-1.1.4-1.el5

- Group: **System Environment/Libraries**
- Summary: **Chelsio T3 iWARP HCA Userspace Driver**
- Description:

```
Userspace hardware driver for use with the libibverbs InfiniBand/iWARP
verbs
library. This driver enables Chelsio iWARP capable ethernet devices.
```

libehca-1.2-1.el5

- Group: **System Environment/Libraries**
- Summary: **IBM InfiniBand HCA Userspace Driver**
- Description:

```
IBM hardware driver for use with libibverbs user space verbs access
library.
```

libibcm-1.0.2-1.el5

- Group: **System Environment/Libraries**
- Summary: **Userspace InfiniBand Communication Manager.**
- Description:

```
libibcm provides a userspace InfiniBand Communication Managment library.
```

libibcommon-1.0.8-1.el5

- Group: **System Environment/Libraries**
- Summary: **OpenFabrics Alliance InfiniBand management common library**
- Description:

```
libibcommon provides common utility functions for the OFA diagnostic and
management tools.
```

libibmad-1.1.6-1.el5

- Group: **System Environment/Libraries**
- Summary: **OpenFabrics Alliance InfiniBand MAD library**
- Description:

```
libibmad provides low layer IB functions for use by the IB diagnostic
and management programs. These include MAD, SA, SMP, and other basic
IB functions.
```

libibumad-1.1.7-1.el5

- Group: **System Environment/Libraries**
- Summary: **OpenFabrics Alliance InfiniBand umad (user MAD) library**
- Description:

```
libibumad provides the user MAD library functions which sit on top of
the user MAD modules in the kernel. These are used by the IB diagnostic
and management tools, including OpenSM.
```

libibverbs-1.1.1-9.el5

- Group: **System Environment/Libraries**
- Summary: **Library providing access to InfiniBand/iWARP hardware verbs protocol**
- Description:

```
libibverbs is a library that allows userspace processes to use
InfiniBand/iWARP "verbs" as described in the InfiniBand Architecture
Specification. This includes direct hardware access for fast path
operations.

For this library to be useful, a device-specific plug-in module should
also be installed.
```

libipathverbs-1.1-10.el5

- Group: **System Environment/Libraries**
- Summary: **QLogic InfiniPath HCA Userspace Driver**
- Description:

```
QLogic hardware driver for use with libibverbs user space verbs access
library. This driver supports QLogic InfiniPath based cards.
```

libmlx4-1.0-3.el5

- Group: **System Environment/Libraries**
- Summary: **Mellanox ConnectX InfiniBand HCA Userspace Driver**
- Description:

```
Mellanox hardware driver for use with libibverbs user space verbs access
library. This driver supports Mellanox ConnectX architecture cards.
```

libmthca-1.0.4-9.el5

- Group: **System Environment/Libraries**
- Summary: **Mellanox InfiniBand HCA Userspace Driver**
- Description:

```
Mellanox hardware driver for use with libibverbs user space verbs access
library. This driver supports Mellanox based Single Data Rate and Dual
Data
Rate cards, including those from Cisco, Topspin, and Voltaire. It does
not support the Connect-X architecture based Quad Data Rate cards
(libmlx4
handles that hardware).
```

libnes-0.5-2.el5

- Group: **System Environment/Libraries**
- Summary: **NetEffect RNIC Userspace Driver**
- Description:

```
Userspace hardware driver for use with the libibverbs InfiniBand/iWARP
verbs
library. This driver enables NetEffect iWARP capable ethernet devices.
```

librdmacm-1.0.7-1.el5

- Group: **System Environment/Libraries**
- Summary: **Userspace RDMA Connection Manager.**
- Description:

```
librdmacm provides a userspace RDMA Communication Managment API.
```

libsdp-1.1.99-9.el5

- Group: **System Environment/Libraries**
- Summary: **A library for direct userspace use of Sockets Direct Protocol**
- Description:

```
libsdp is an LD_PRELOAD-able library that can be used to have existing
applications use InfiniBand Sockets Direct Protocol (SDP) instead of
TCP sockets, transparently and without recompilation. For information
on how to configure libsdp, see libsdp.conf, which is installed in
$(sysconfdir) (usually /usr/local/etc or /etc).
```

libsmi-0.4.5-2.el5

- Group: **System Environment/Libraries**
- Summary: **A library to access SMI MIB information**
- Description:

```
Libsmi is a C library to access MIB module information through
a well defined API that hides the nasty details of locating
and parsing SMIv1/v2 MIB modules.

This package contains tools to check, dump, and convert MIB
definitions and a steadily maintained and revised archive
of all IETF and IANA maintained standard MIB modules.
```

mpi-selector-1.0.0-2.el5

- Group: **System Environment/Base**
- Summary: **Provides site-wide and per-user MPI implementation selection**
- Description:

```
A simple tool that allows system administrators to set a site-wide
default for which MPI implementation is to be used, but also allow
users to set their own default MPI implementation, thereby overriding
the site-wide default.

The default can be changed easily via the mpi-selector command --
editing of shell startup files is not required.
```

mstflint-1.3-1.el5

- Group: **Applications/System**
- Summary: **Mellanox firmware burning tool**
- Description:

```
This package contains a burning tool for Mellanox manufactured HCA cards.
It also provides access to the relevant source code.
```

nspluginwrapper-0.9.91.5-21.el5

- Group: **Networking/WWW**
- Summary: **A compatibility layer for Netscape 4 plugins**
- Description:

```
nspluginwrapper makes it possible to use Netscape 4 compatible plugins
compiled for ppc into Mozilla for another architecture, e.g. x86_64.

This package consists in:
* npviewer: the plugin viewer
* npwrapper.so: the browser-side plugin
* mozilla-plugin-config: a tool to manage plugins installation and
update
```

ofed-docs-1.3-3.el5

- Group: **Documentation/Man**

- Summary: **OpenFabrics Enterprise Distribution documentation**
- Description:

```
Documentation from OFED 1.3
```

opensm-3.1.8-1.el5

- Group: **System Environment/Daemons**
- Summary: **OpenIB InfiniBand Subnet Manager and management utilities**
- Description:

```
OpenSM is the OpenIB project's Subnet Manager for Infiniband networks.
The subnet manager is run as a system daemon on one of the machines in
the infiniband fabric to manage the fabric's routing state. This package
also contains various tools for diagnosing and testing Infiniband
networks
that can be used from any machine and do not need to be run on a machine
running the opensm daemon.
```

openswan-2.6.12-2.el5

- Group: **System Environment/Daemons**
- Summary: **Openswan IPSEC implementation**
- Description:

```
Openswan is a free implementation of IPSEC & IKE for Linux. IPSEC is
the Internet Protocol Security and uses strong cryptography to provide
both authentication and encryption services. These services allow you
to build secure tunnels through untrusted networks. Everything passing
through the untrusted net is encrypted by the ipsec gateway machine and
decrypted by the gateway at the other end of the tunnel. The resulting
tunnel is a virtual private network or VPN.

This package contains the daemons and userland tools for setting up
Openswan on a freeswan enabled kernel.
```

perftest-1.2-10.el5

- Group: **Productivity/Networking/Diagnostic**
- Summary: **IB Performance tests**
- Description:

```
gen2 uverbs microbenchmarks
```

pexpect-2.3-1.el5

- Group: **Development/Languages**
- Summary: **Pure Python Expect-like module**
- Description:

```
Pexpect is a pure Python module for spawning child applications;
controlling
them; and responding to expected patterns in their output. Pexpect works
like
Don Libes' Expect. Pexpect allows your script to spawn a child
application and
control it as if a human were typing commands.

Pexpect can be used for automating interactive applications such as ssh,
ftp,
passwd, telnet, etc. It can be used to automate setup scripts for
duplicating
software package installations on different servers. And it can be used
for
automated software testing. Pexpect is in the spirit of Don Libes'
Expect, but
Pexpect is pure Python. Unlike other Expect-like modules for Python,
Pexpect
does not require TCL or Expect nor does it require C extensions to be
compiled.
It should work on any platform that supports the standard Python pty
module.
```

python-iniparse-0.2.3-4.el5

- Group: **Development/Libraries**
- Summary: **Python Module for Accessing and Modifying Configuration Data in INI files**
- Description:

```
iniparse is an INI parser for Python which is API compatible
with the standard library's ConfigParser, preserves structure of INI
files (order of sections & options, indentation, comments, and blank
lines are preserved when data is updated), and is more convenient to
use.
```

python-setuptools-0.6c5-2.el5

- Group: **Development/Languages**
- Summary: **Download, build, install, upgrade, and uninstall Python packages**
- Description:

```
setuptools is a collection of enhancements to the Python distutils that
allow
you to more easily build and distribute Python packages, especially ones
that
have dependencies on other packages.
```

qlvnictools-0.0.1-8.el5

- Group: **System Environment/Base**

- Summary: **VNIC ULP service**
- Description:

```
VNIC ULP service
```

qperf-0.4.0-1.el5

- Group: **Networking/Diagnostic**
- Summary: **Measure socket and RDMA performance**
- Description:

```
Measure socket and RDMA performance.
```

rsyslog-2.0.0-11.el5

- Group: **System Environment/Daemons**
- Summary: **Enhanced system logging and kernel message trapping daemons**
- Description:

```
Rsyslog is an enhanced multi-threaded syslogd supporting, among others,
MySQL,
syslog/tcp, RFC 3195, permitted sender lists, filtering on any message
part,
and fine grain output format control. It is quite compatible to stock
sysklogd
and can be used as a drop-in replacement. Its advanced features make it
suitable for enterprise-class, encryption protected syslog relay chains
while
at the same time being very easy to setup for the novice user.
```

setroubleshoot-plugins-2.0.4-2.el5

- Group: **Applications/System**
- Summary: **Analysis plugins for use with setroubleshoot**
- Description:

```
This package provides a set of analysis plugins for use with
setroubleshoot. Each plugin has the capacity to analyze SELinux AVC
data and system data to provide user friendly reports describing how
to interpret SELinux AVC denials.
```

srptools-0.0.4-2.el5

- Group: **System Environment/Base**
- Summary: **Tools for using the InfiniBand SRP protocol devices**
- Description:

```
In conjunction with the kernel ib_srp driver, srptools allows you to
discover and use SCSI devices via the SCSI RDMA Protocol over
InfiniBand.
```

system-config-netboot-0.1.45.1-1.el5

- Group: **Applications/System**
- Summary: **network booting/install configuration utility (GUI)**
- Description:

```
system-config-netboot is a utility which allows you to configure
diskless environments and network installations.
```

tpm-tools-1.3.1-1.el5

- Group: **Applications/System**
- Summary: **Management tools for the TPM hardware**
- Description:

```
tpm-tools is a group of tools to manage and utilize the Trusted
Computing
Group's TPM hardware. TPM hardware can create, store and use RSA keys
securely (without ever being exposed in memory), verify a platform's
software state using cryptographic hashes and more.
```

trousers-0.3.1-4.el5

- Group: **System Environment/Libraries**
- Summary: **TCG's Software Stack v1.2**
- Description:

```
TrouSerS is an implementation of the Trusted Computing Group's Software
Stack
(TSS) specification. You can use TrouSerS to write applications that make
use
of your TPM hardware. TPM hardware can create, store and use RSA keys
securely (without ever being exposed in memory), verify a platform's
software
state using cryptographic hashes and more.
```

tvflash-0.9.0-2.el5

- Group: **Applications/System**
- Summary: **Tool to manage Mellanox HCA firmware flash memory**
- Description:

```
tvflash is used to query and update the firmware flash memory attached
to Mellanox InfiniBand HCAs.
```

udftools-1.0.0b3-0.1.el5

- Group: **Applications/Archiving**
- Summary: **Linux UDF Filesystem userspace utilities**
- Description:

```
Linux UDF Filesystem userspace utilities.
```

virt-viewer-0.0.2-2.el5

- Group: **Applications/System**
- Summary: **Virtual Machine Viewer**
- Description:

```
Virtual Machine Viewer provides a graphical console client for
connecting
to virtual machines. It uses the GTK-VNC widget to provide the display,
and libvirt for looking up VNC server details.
```

wdaemon-0.13-1

- Group: **User Interface/X Hardware Support**
- Summary: **Hotplug helper for Wacom X.org driver**
- Description:

```
Helper application which emulates persistent input devices for Wacom
tablets
so they can be plugged and unplugged while X.org server is running. This
should
go away as soon X.org properly supports hotplugging.
```

xulrunner-1.9-0.beta5.6.el5

- Group: **Applications/Internet**
- Summary: **XUL Runtime for Gecko Applications**
- Description:

```
XULRunner provides the XUL Runtime environment for Gecko applications.
```

yum-updatesd-0.9-2.el5

- Group: **System Environment/Base**
- Summary: **Update notification daemon**
- Description:

```
yum-updatesd provides a daemon which checks for available updates and
can notify you when they are available via email, syslog or dbus.
```

2. Dropped Packages

No packages listed here.

3. Updated Packages

Deployment_Guide-5.1.0-11 - Deployment_Guide-5.2-9

- Group: **Documentation**
- Summary: **Deployment Guide**
- Description:

```
This Deployment Guide documents relevant information regarding the
deployment, configuration and administration of Red Hat Enterprise Linux
5.2.
```

- No added dependencies
- No removed dependencies

ImageMagick-6.2.8.0-3.el5.4 - ImageMagick-6.2.8.0-4.el5_1.1

- Group: **Applications/Multimedia**
- Summary: **An X application for displaying and manipulating images.**
- Description:

```
ImageMagick(TM) is an image display and manipulation tool for the X
Window System. ImageMagick can read and write JPEG, TIFF, PNM, GIF,
and Photo CD image formats. It can resize, rotate, sharpen, color
reduce, or add special effects to an image, and when finished you can
either save the completed work in the original format or a different
one. ImageMagick also includes command line programs for creating
animated or transparent .gifs, creating composite images, creating
thumbnail images, and more.

ImageMagick is one of your choices if you need a program to manipulate
and dis play images. If you want to develop your own applications
which use ImageMagick code or APIs, you need to install
ImageMagick-devel as well.
```

- No added dependencies
- No removed dependencies

NetworkManager-0.6.4-6.el5 - NetworkManager-0.6.4-8.el5

- Group: **System Environment/Base**
- Summary: **Network connection manager and user applications**
- Description:

```
NetworkManager attempts to keep an active network connection available at
all
times. It is intended only for the desktop use-case, and is not intended
for
usage on servers.  The point of NetworkManager is to make networking
configuration and setup as painless and automatic as possible. If using
DHCP,
NetworkManager is _intended_ to replace default routes, obtain IP
addresses
from a DHCP server, and change nameservers whenever it sees fit.
```

- Added Dependencies:
  - autoconf
  - automake
  - intltool
  - libtool
- No removed dependencies

OpenIPMI-2.0.6-5.el5.4 - OpenIPMI-2.0.6-6.el5

- Group: **System Environment/Base**
- Summary: **OpenIPMI (Intelligent Platform Management Interface) library and tools**
- Description:

```
The Open IPMI project aims to develop an open code base to allow access
to
platform information using Intelligent Platform Management Interface
(IPMI).
This package contains the tools of the OpenIPMI project.
```

- No added dependencies
- No removed dependencies

Virtualization-5.1.0-12 - Virtualization-5.2-9

- Group: **Documentation**
- Summary: **Virtualization Guide**
- Description:

```
The Red Hat Enterprise Linux Virtualization Guide contains
information on installation, configuring, administering, tips,
tricks and troubleshooting Virtualization technologies used in Red
Hat Enterprise Linux.
```

- No added dependencies
- No removed dependencies

a2ps-4.13b-57.1.el5 - a2ps-4.13b-57.2.el5

- Group: **Applications/Publishing**

- Summary: **Converts text and other types of files to PostScript(TM).**
- Description:

```
The a2ps filter converts text and other types of files to PostScript(TM).
A2ps has pretty-printing capabilities and includes support for a wide
number of programming languages, encodings (ISO Latins, Cyrillic, etc.),
and medias.
```

- Added Dependencies:
  - psutils
- No removed dependencies

acl-2.2.39-2.1.el5 - acl-2.2.39-3.el5

- Group: **System Environment/Base**
- Summary: **Access control list utilities.**
- Description:

```
This package contains the getfacl and setfacl utilities needed for
manipulating access control lists.
```

- No added dependencies
- No removed dependencies

alsa-utils-1.0.14-2.rc4.el5 - alsa-utils-1.0.14-3.rc4.el5

- Group: **Applications/Multimedia**
- Summary: **Advanced Linux Sound Architecture (ALSA) utilities**
- Description:

```
This package contains command line utilities for the Advanced Linux Sound
Architecture (ALSA).
```

- No added dependencies
- No removed dependencies

amtu-1.0.4-4 - amtu-1.0.6-1.el5

- Group: **System Environment/Base**
- Summary: **Abstract Machine Test Utility (AMTU)**
- Description:

```
Abstract Machine Test Utility (AMTU) is an administrative utility to
check
whether the underlying protection mechanism of the hardware are still
being
enforced. This is a requirement of the Controlled Access Protection
Profile
FPT_AMT.1, see
http://www.radium.ncsc.mil/tpep/library/protection_profiles/CAPP-1.d.pdf
```

- No added dependencies
- No removed dependencies

anaconda-11.1.2.87-1 - anaconda-11.1.2.113-1

- Group: **Applications/System**
- Summary: **Graphical system installer**
- Description:

```
The anaconda package contains the program which was used to install your
system. These files are of little use on an already installed system.
```

- Added Dependencies:
  - libdhcp-devel >= 1.20-5
  - libnl-devel >= 1.0-0.10.pre5.5
- Removed Dependencies:
  - glib2-devel >= 2.11.1-5
  - libdhcp-devel >= 1.16

apr-util-1.2.7-6 - apr-util-1.2.7-7.el5

- Group: **System Environment/Libraries**
- Summary: **Apache Portable Runtime Utility library**
- Description:

```
The mission of the Apache Portable Runtime (APR) is to provide a
free library of C data structures and routines. This library
contains additional utility interfaces for APR; including support
for XML, LDAP, database interfaces, URI parsing and more.
```

- No added dependencies
- No removed dependencies

at-spi-1.7.11-2.fc6 - at-spi-1.7.11-3.el5

- Group: **System Environment/Libraries**
- Summary: **Assistive Technology Service Provider Interface**
- Description:

```
at-spi allows assistive technologies to access GTK-based
applications. Essentially it exposes the internals of applications for
automation, so tools such as screen readers, magnifiers, or even
scripting interfaces can query and interact with GUI controls.
```

- No added dependencies
- No removed dependencies

audit-1.5.5-7.el5 - audit-1.6.5-9.el5

- Group: **System Environment/Daemons**
- Summary: **User space tools for 2.6 kernel auditing**
- Description:

```
The audit package contains the user space utilities for
storing and searching the audit records generate by
the audit subsystem in the Linux 2.6 kernel.
```

- Added Dependencies:
  - checkpolicy
  - openldap-devel
  - selinux-policy-devel
- No removed dependencies

authconfig-5.3.12-2.el5 - authconfig-5.3.21-3.el5

- Group: **System Environment/Base**
- Summary: **Command line tool for setting up authentication from network services**
- Description:

```
Authconfig is a command line utility which can configure a workstation
to use shadow (more secure) passwords. Authconfig can also configure a
system to be a client for certain networked user information and
authentication schemes.
```

- Added Dependencies:
  - python >= 2.4.1
- Removed Dependencies:
  - python

autofs-5.0.1-0.rc2.55 - autofs-5.0.1-0.rc2.88

- Group: **System Environment/Daemons**
- Summary: **A tool for automatically mounting and unmounting filesystems.**
- Description:

```
autofs is a daemon which automatically mounts filesystems when you use
them, and unmounts them later when you are not using them. This can
include network filesystems, CD-ROMs, floppies, and so forth.
```

- No added dependencies
- No removed dependencies

bash-3.1-16.1 - bash-3.2-21.el5

- Group: **System Environment/Shells**
- Summary: **The GNU Bourne Again shell (bash) version 3.2**

- Description:

```
The GNU Bourne Again shell (Bash) is a shell or command language
interpreter that is compatible with the Bourne shell (sh). Bash
incorporates useful features from the Korn shell (ksh) and the C shell
(csh). Most sh scripts can be run by bash without modification. This
package (bash) contains bash version 3.2, which improves POSIX
compliance over previous versions.
```

- Added Dependencies:
  - autoconf
  - gettext
- No removed dependencies

bind-9.3.3-10.el5 - bind-9.3.4-6.P1.el5

- Group: **System Environment/Daemons**
- Summary: **The Berkeley Internet Name Domain (BIND) DNS (Domain Name System) server.**
- Description:

```
BIND (Berkeley Internet Name Domain) is an implementation of the DNS
(Domain Name System) protocols. BIND includes a DNS server (named),
which resolves host names to IP addresses; a resolver library
(routines for applications to use when interfacing with DNS); and
tools for verifying that the DNS server is operating properly.
```

- No added dependencies
- No removed dependencies

binutils-2.17.50.0.6-5.el5 - binutils-2.17.50.0.6-6.el5

- Group: **Development/Tools**
- Summary: **A GNU collection of binary utilities.**
- Description:

```
Binutils is a collection of binary utilities, including ar (for
creating, modifying and extracting from archives), as (a family of GNU
assemblers), gprof (for displaying call graph profile data), ld (the
GNU linker), nm (for listing symbols from object files), objcopy (for
copying and translating object files), objdump (for displaying
information from object files), ranlib (for generating an index for
the contents of an archive), size (for listing the section sizes of an
object or archive file), strings (for listing printable strings from
files), strip (for discarding symbols), and addr2line (for converting
addresses to file and line).
```

- No added dependencies
- No removed dependencies

booty-0.80.4-5 - booty-0.80.4-6

- Group: **System Environment/Libraries**
- Summary: **simple python bootloader config lib**
- Description:

```
Small python library for use with bootloader configuration by anaconda
and up2date.
```

- No added dependencies
- No removed dependencies

busybox-1.2.0-3 - busybox-1.2.0-4.el5

- Group: **System Environment/Shells**
- Summary: **Statically linked binary providing simplified versions of system commands**
- Description:

```
Busybox is a single binary which includes versions of a large number
of system commands, including a shell. This package can be very
useful for recovering from certain types of system failures,
particularly those involving broken shared libraries.
```

- No added dependencies
- No removed dependencies

cachefilesd-0.8-2.el5 - cachefilesd-0.8-5.el5

- Group: **System Environment/Daemons**
- Summary: **CacheFiles userspace management daemon**
- Description:

```
The cachefilesd daemon manages the caching files and directory that are
that are used by network filesystems such a AFS and NFS to
do persistent caching to the local disk.
```

- No added dependencies
- No removed dependencies

cairo-1.2.4-2.el5 - cairo-1.2.4-5.el5

- Group: **System Environment/Libraries**
- Summary: **A vector graphics library**
- Description:

```
Cairo is a vector graphics library designed to provide high-quality
display and print output. Currently supported output targets include
the X Window System, OpenGL (via glitz), in-memory image buffers, and
image files (PDF, PostScript, and SVG). Cairo is designed to produce
identical output on all output media while taking advantage of display
hardware acceleration when available (eg. through the X Render
Extension or OpenGL).
```

- No added dependencies
- No removed dependencies

checkpolicy-1.33.1-2.el5 - checkpolicy-1.33.1-4.el5

- Group: **Development/System**
- Summary: **SELinux policy compiler**
- Description:

```
Security-enhanced Linux is a feature of the Linux® kernel and a number
of utilities with enhanced security functionality designed to add
mandatory access controls to Linux. The Security-enhanced Linux
kernel contains new architectural components originally developed to
improve the security of the Flask operating system. These
architectural components provide general support for the enforcement
of many kinds of mandatory access control policies, including those
based on the concepts of Type Enforcement®, Role-based Access
Control, and Multi-level Security.

This package contains checkpolicy, the SELinux policy compiler.
Only required for building policies.
```

- No added dependencies
- No removed dependencies

chkconfig-1.3.30.1-1 - chkconfig-1.3.30.1-2

- Group: **System Environment/Base**
- Summary: **A system tool for maintaining the /etc/rc*.d hierarchy.**
- Description:

```
Chkconfig is a basic system utility. It updates and queries runlevel
information for system services. Chkconfig manipulates the numerous
symbolic links in /etc/rc.d, to relieve system administrators of some
of the drudgery of manually editing the symbolic links.
```

- No added dependencies
- No removed dependencies

clustermon-0.10.0-5.el5 - clustermon-0.12.0-7.el5

- Group: **System Environment/Base**
- Summary: **Monitoring and management of Red Hat Enterprise Linux Cluster Suite**

- Description:

```
This package contains Red Hat Enterprise Linux Cluster Suite
SNMP/CIM module/agent/provider.
```

- Added Dependencies:
  - cman-devel
- No removed dependencies

cman-2.0.73-1.el5 - cman-2.0.84-2.el5

- Group: **System Environment/Base**
- Summary: **cman - The Cluster Manager**
- Description:

```
cman - The Cluster Manager
```

- Added Dependencies:
  - kernel-headers
- No removed dependencies

conga-0.10.0-6.el5 - conga-0.12.0-7.el5

- Group: **System Environment/Base**
- Summary: **Remote Management System**
- Description:

```
Conga is a project developing management system for remote stations.
It consists of luci, https frontend, and ricci, secure daemon that
dispatches
incoming messages to underlying management modules.
```

- No added dependencies
- Removed Dependencies:
  - cman-devel

control-center-2.16.0-14.el5 - control-center-2.16.0-16.el5

- Group: **User Interface/Desktops**
- Summary: **GNOME Control Center**
- Description:

```
GNOME (the GNU Network Object Model Environment) is an attractive and
easy-to-use GUI desktop environment. The control-center package
provides the GNOME Control Center utilities that allow you to setup
and configure your system's GNOME environment (things like the desktop
background and theme, the screensaver, system sounds, and mouse
behavior).

If you install GNOME, you need to install control-center.
```

- No added dependencies
- No removed dependencies

coolkey-1.1.0-5.el5 - coolkey-1.1.0-6.el5

- Group: **System Environment/Libraries**
- Summary: **CoolKey PKCS #11 module**
- Description:

```
Linux Driver support for the CoolKey and CAC products.
```

- No added dependencies
- No removed dependencies

coreutils-5.97-12.1.el5 - coreutils-5.97-14.el5

- Group: **System Environment/Base**
- Summary: **The GNU core utilities: a set of tools commonly used in shell scripts**
- Description:

```
These are the GNU core utilities. This package is the combination of
the old GNU fileutils, sh-utils, and textutils packages.
```

- No added dependencies
- No removed dependencies

cpuspeed-1.2.1-1.48.el5 - cpuspeed-1.2.1-3.el5

- Group: **System Environment/Base**
- Summary: **CPU frequency adjusting daemon**
- Description:

```
cpuspeed is a daemon that dynamically changes the speed
of your processor(s) depending upon its current workload
if it is capable (needs Intel Speedstep, AMD PowerNow!,
or similar support).

This package also supports enabling cpu frequency scaling
via in-kernel governors on Intel Centrino and AMD
Athlon64/Opteron platforms.
```

- No added dependencies
- No removed dependencies

crash-4.0-4.6.1 - crash-4.0-5.0.3

- Group: **Development/Debuggers**
- Summary: **crash utility for live systems; netdump, diskdump, kdump,**

LKCD or mcore dumpfiles

- Description:

```
The core analysis suite is a self-contained tool that can be used to
investigate either live systems, kernel core dumps created from the
netdump, diskdump and kdump packages from Red Hat Linux, the mcore
kernel patch
offered by Mission Critical Linux, or the LKCD kernel patch.
```

- No added dependencies
- No removed dependencies

createrepo-0.4.4-2.fc6 - createrepo-0.4.11-3.el5

- Group: **System Environment/Base**
- Summary: **Creates a common metadata repository**
- Description:

```
This utility will generate a common metadata repository from a directory
of rpm
packages.
```

- Added Dependencies:
  - python
- No removed dependencies

crypto-utils-2.3-1 - crypto-utils-2.3-2.el5

- Group: **Applications/System**
- Summary: **SSL certificate and key management utilities**
- Description:

```
This package provides tools for managing and generating
SSL certificates and keys.
```

- No added dependencies
- No removed dependencies

cups-1.2.4-11.14.el5 - cups-1.2.4-11.18.el5

- Group: **System Environment/Daemons**
- Summary: **Common Unix Printing System**
- Description:

```
The Common UNIX Printing System provides a portable printing layer for
UNIX® operating systems. It has been developed by Easy Software Products
to promote a standard printing solution for all UNIX vendors and users.
CUPS provides the System V and Berkeley command-line interfaces.
```

- No added dependencies

- No removed dependencies

cyrus-imapd-2.3.7-1.1.el5 - cyrus-imapd-2.3.7-2.el5

- Group: **System Environment/Daemons**
- Summary: **A high-performance mail server with IMAP, POP3, NNTP and SIEVE support**
- Description:

```
The cyrus-imapd package contains the core of the Cyrus IMAP server.
It is a scaleable enterprise mail system designed for use from
small to large enterprise environments using standards-based
internet mail technologies.

A full Cyrus IMAP implementation allows a seamless mail and bulletin
board environment to be set up across multiple servers. It differs from
other IMAP server implementations in that it is run on "sealed"
servers, where users are not normally permitted to log in and have no
system account on the server. The mailbox database is stored in parts
of the filesystem that are private to the Cyrus IMAP server. All user
access to mail is through software using the IMAP, POP3 or KPOP
protocols. It also includes support for virtual domains, NNTP,
mailbox annotations, and much more. The private mailbox database design
gives the server large advantages in efficiency, scalability and
administratability. Multiple concurrent read/write connections to the
same mailbox are permitted. The server supports access control lists on
mailboxes and storage quotas on mailbox hierarchies.

The Cyrus IMAP server supports the IMAP4rev1 protocol described
in RFC 3501. IMAP4rev1 has been approved as a proposed standard.
It supports any authentication mechanism available from the SASL
library, imaps/pop3s/nntps (IMAP/POP3/NNTP encrypted using SSL and
TLSv1) can be used for security. The server supports single instance
store where possible when an email message is addressed to multiple
recipients, SIEVE provides server side email filtering.
```

- No added dependencies
- No removed dependencies

dbus-1.0.0-6.el5 - dbus-1.0.0-7.el5

- Group: **System Environment/Libraries**
- Summary: **D-BUS message bus**
- Description:

```
D-BUS is a system for sending messages between applications. It is
used both for the systemwide message bus service, and as a
per-user-login-session messaging facility.
```

- No added dependencies
- No removed dependencies

desktop-printing-0.19-20.el5 - desktop-printing-0.19-20.1.el5

- Group: **Applications/File**
- Summary: **Desktop print icon**
- Description:

```
Desktop-printing contains eggcups, a program for user print job
notification and control.
```

- No added dependencies
- No removed dependencies

devhelp-0.12-11.el5 - devhelp-0.12-16.el5

- Group: **Development/Tools**
- Summary: **API document browser**
- Description:

```
An API document browser for GNOME 2.
```

- Added Dependencies:
  - gecko-devel-unstable = 1.9
- Removed Dependencies:
  - gecko-devel = 1.8.0.12

device-mapper-1.02.20-1.el5 - device-mapper-1.02.24-1.el5

- Group: **System Environment/Base**
- Summary: **device mapper library**
- Description:

```
This package contains the supporting userspace files (libdevmapper and
dmsetup) for the device-mapper.
```

- No added dependencies
- No removed dependencies

device-mapper-multipath-0.4.7-12.el5 - device-mapper-multipath-0.4.7-17.el5

- Group: **System Environment/Base**
- Summary: **Tools to manage multipath devices using device-mapper.**
- Description:

- No added dependencies
- No removed dependencies

dhcp-3.0.5-7.el5 - dhcp-3.0.5-13.el5

- Group: **System Environment/Daemons**
- Summary: **DHCP (Dynamic Host Configuration Protocol) server and relay agent.**
- Description:

```
DHCP (Dynamic Host Configuration Protocol) is a protocol which allows
individual devices on an IP network to get their own network
configuration information (IP address, subnetmask, broadcast address,
etc.) from a DHCP server. The overall purpose of DHCP is to make it
easier to administer a large network. The dhcp package includes the
ISC DHCP service and relay agent.

To use DHCP on your network, install a DHCP service (or relay agent),
and on clients run a DHCP client daemon. The dhcp package provides
the ISC DHCP service and relay agent.
```

- No added dependencies
- No removed dependencies

dhcpv6-0.10-33.el5 - dhcpv6-1.0.10-4.el5

- Group: **System Environment/Daemons**
- Summary: **DHCPv6 - DHCP server and client for IPv6**
- Description:

```
Implements the Dynamic Host Configuration Protocol (DHCP) for Internet
Protocol version 6 (IPv6) networks in accordance with RFC 3315: Dynamic
Host
Configuration Protocol for IPv6 (DHCPv6). Consists of dhcp6s(8), the
server
DHCP daemon, and dhcp6r(8), the DHCPv6 relay agent.

Install this package if you want to support dynamic configuration of IPv6
addresses and parameters on your IPv6 network.
```

- Added Dependencies:
  - kernel-headers
- Removed Dependencies:
  - openssl-devel

diffutils-2.8.1-15.2.2 - diffutils-2.8.1-15.2.3.el5

- Group: **Applications/Text**
- Summary: **A GNU collection of diff utilities.**
- Description:

```
Diffutils includes four utilities: diff, cmp, diff3 and sdiff. Diff
compares two files and shows the differences, line by line. The cmp
command shows the offset and line numbers where two files differ, or
cmp can show the characters that differ between the two files. The
diff3 command shows the differences between three files. Diff3 can be
used when two people have made independent changes to a common
original; diff3 can produce a merged file that contains both sets of
changes and warnings about conflicts. The sdiff command can be used
to merge two files interactively.

Install diffutils if you need to compare text files.
```

- No added dependencies
- No removed dependencies

dmraid-1.0.0.rc13-4.el5 - dmraid-1.0.0.rc13-9.el5

- Group: **System Environment/Base**
- Summary: **dmraid (Device-mapper RAID tool and library)**
- Description:

```
DMRAID supports RAID device discovery, RAID set activation and display
of
properties for ATARAID on Linux >= 2.4 using device-mapper.
```

- No added dependencies
- No removed dependencies

dovecot-1.0-1.2.rc15.el5 - dovecot-1.0.7-2.el5

- Group: **System Environment/Daemons**
- Summary: **Dovecot Secure imap server**
- Description:

```
Dovecot is an IMAP server for Linux/UNIX-like systems, written with
security
primarily in mind. It also contains a small POP3 server. It supports
mail
in either of maildir or mbox formats.
```

- No added dependencies
- No removed dependencies

dvgrab-2.0-1.2.2 - dvgrab-3.0-1.el5

- Group: **Applications/Multimedia**
- Summary: **Utility to capture video from a DV camera**
- Description:

```
The dvgrab utility will capture digital video from a DV source on the
firewire
(IEEE-1394) bus.
```

- No added dependencies
- No removed dependencies

e2fsprogs-1.39-10.el5 - e2fsprogs-1.39-15.el5

- Group: **System Environment/Base**
- Summary: **Utilities for managing the second and third extended (ext2/ext3) filesystems**
- Description:

```
The e2fsprogs package contains a number of utilities for creating,
checking, modifying, and correcting any inconsistencies in second
and third extended (ext2/ext3) filesystems. E2fsprogs contains
e2fsck (used to repair filesystem inconsistencies after an unclean
shutdown), mke2fs (used to initialize a partition to contain an
empty ext2 filesystem), debugfs (used to examine the internal
structure of a filesystem, to manually repair a corrupted
filesystem, or to create test cases for e2fsck), tune2fs (used to
modify filesystem parameters), and most of the other core ext2fs
filesystem utilities.

You should install the e2fsprogs package if you need to manage the
performance of an ext2 and/or ext3 filesystem.
```

- No added dependencies
- No removed dependencies

eclipse-3.2.1-18.el5 - eclipse-3.2.1-19.el5

- Group: **Text Editors/Integrated Development Environments (IDE)**
- Summary: **An open, extensible IDE**
- Description:

```
The Eclipse Platform is designed for building integrated development
environments (IDEs) that can be used to create applications as diverse
as web sites, embedded Java(tm) programs, C++ programs, and Enterprise
JavaBeans(tm).
```

- No added dependencies
- Removed Dependencies:
  - firefox-devel
  - nspr-devel

emacs-21.4-19.el5 - emacs-21.4-20.el5

- Group: **Applications/Editors**
- Summary: **GNU Emacs text editor**

- Description:

```
Emacs is a powerful, customizable, self-documenting, modeless text
editor. Emacs contains special code editing features, a scripting
language (elisp), and the capability to read mail, news, and more
without leaving the editor.

This package provides an emacs binary with support for X windows.
```

- No added dependencies
- No removed dependencies

emacspeak-23.0-2.1 - emacspeak-23.0-3.el5

- Group: **Applications/Editors**
- Summary: **emacspeak -- The Complete Audio Desktop**
- Description:

```
Emacspeak is a speech interface that allows visually impaired users to
interact independently and efficiently with the computer. Emacspeak has
dramatically changed how the author and hundreds of blind and visually
impaired users around the world interact with the personal computer and
the Internet. A rich suite of task-oriented speech-enabled tools provides
efficient speech-enabled access to the evolving semantic WWW.
When combined with Linux running on low-cost PC hardware,
Emacspeak/Linux provides a reliable, stable speech-friendly solution
that
opens up the Internet to visually impaired users around the world.
```

- No added dependencies
- No removed dependencies

esc-1.0.0-32.el5 - esc-1.0.0-33.el5

- Group: **Applications/Internet**
- Summary: **Enterprise Security Client Smart Card Client**
- Description:

```
Enterprise Security Client allows the user to enroll and manage their
cryptographic smartcards.
```

- No added dependencies
- No removed dependencies

evolution-data-server-1.8.0-25.el5 - evolution-data-server-1.12.3-6.el5

- Group: **System Environment/Libraries**
- Summary: **Backend data server for Evolution**
- Description:

```
The evolution-data-server package provides a unified backend for
programs
that work with contacts, tasks, and calendar information.

It was originally developed for Evolution (hence the name), but is now
used
by other packages.
```

- Added Dependencies:
  - gtk-doc
  - intltool >= 0.35.0
  - openldap-evolution-devel
  - openssl-devel
- Removed Dependencies:
  - intltool
  - openldap-devel >= 2.0.11

file-4.17-9.0.1.el5 - file-4.17-13

- Group: **Applications/File**
- Summary: **A utility for determining file types.**
- Description:

```
The file command is used to identify a particular file according to the
type of data contained by the file. File can identify many different
file types, including ELF binaries, system libraries, RPM packages, and
different graphics formats.

You should install the file package, since the file command is such a
useful utility.
```

- No added dependencies
- No removed dependencies

firefox-1.5.0.12-3.el5 - firefox-3.0-0.beta5.6.el5

- Group: **Applications/Internet**
- Summary: **Mozilla Firefox Web browser**
- Description:

```
Mozilla Firefox is an open-source web browser, designed for standards
compliance, performance and portability.
```

- Added Dependencies:
  - startup-notification-devel
  - xulrunner-devel >= 1.9-0.beta5.6
  - xulrunner-devel-unstable >= 1.9-0.beta5.6
- Removed Dependencies:
  - cairo-devel >= 0.5

- libjpeg-devel
- libpng-devel
- nspr-devel >= 4.6
- nss-devel >= 3.11.1
- zlib-devel

flac-1.1.2-27 - flac-1.1.2-28.el5_0.1

- Group: **Applications/Multimedia**
- Summary: **An encoder/decoder for the Free Lossless Audio Codec.**
- Description:

```
FLAC stands for Free Lossless Audio Codec. Grossly oversimplified, FLAC
is similar to Ogg Vorbis, but lossless. The FLAC project consists of
the stream format, reference encoders and decoders in library form,
flac, a command-line program to encode and decode FLAC files, metaflac,
a command-line metadata editor for FLAC files and input plugins for
various music players.
```

- No added dependencies
- No removed dependencies

fontconfig-2.4.1-6.el5 - fontconfig-2.4.1-7.el5

- Group: **System Environment/Libraries**
- Summary: **Font configuration and customization library**
- Description:

```
Fontconfig is designed to locate fonts within the
system and select them according to requirements specified by
applications.
```

- No added dependencies
- No removed dependencies

fonts-indic-2.0.13-1.el5 - fonts-indic-2.1.7-2.el5

- Group: **User Interface/X**
- Summary: **Free Indian truetype/opentype fonts**
- Description:

```
This package provides the Hindi, Bengali, Gujarati, Punjabi, Tamil,
Kannada, Malayalam, Oriya, Telugu TrueType/Opentype fonts.
```

- No added dependencies
- No removed dependencies

frysk-0.0.1.2007.06.21.rh2-4.el5 - frysk-0.0.1.2008.03.19.rh1-1.el5

- Group: **Development/System**
- Summary: **Frysk execution analysis tool**
- Description:

```
Frysk is an execution-analysis technology implemented using native Java
and C++.
It is aimed at providing developers and sysadmins with the ability to
both
examine and analyze running multi-host, multi-process, multi-threaded
systems.
Frysk allows the monitoring of running processes and threads, of locking
primitives and will also expose deadlocks, gather data and debug any
given
process in the system.
```

- Added Dependencies:
  - eclipse-ecj
- Removed Dependencies:
  - /lib/libc.so.6
  - /lib64/libc.so.6
  - /usr/lib/libc.so
  - /usr/lib64/libc.so
  - binutils-devel
  - libgconf-java-devel

gcc-4.1.2-14.el5 - gcc-4.1.2-42.el5

- Group: **Development/Languages**
- Summary: **Various compilers (C, C++, Objective-C, Java, ...)**
- Description:

```
The gcc package contains the GNU Compiler Collection version 4.1.
You'll need this package in order to compile C code.
```

- Added Dependencies:
  - xulrunner-devel
- Removed Dependencies:
  - firefox-devel

gd-2.0.33-9.3.fc6 - gd-2.0.33-9.4.el5_1.1

- Group: **System Environment/Libraries**
- Summary: **A graphics library for quick creation of PNG or JPEG images**
- Description:

```
The gd graphics library allows your code to quickly draw images
complete with lines, arcs, text, multiple colors, cut and paste from
other images, and flood fills, and to write out the result as a PNG or
JPEG file. This is particularly useful in Web applications, where PNG
and JPEG are two of the formats accepted for inline images by most
browsers. Note that gd is not a paint program.
```

- No added dependencies
- No removed dependencies

gdb-6.5-25.el5 - gdb-6.5-37.el5

- Group: **Development/Debuggers**
- Summary: **A GNU source-level debugger for C, C++, Java and other languages.**
- Description:

```
GDB, the GNU debugger, allows you to debug programs written in C, C++,
Java, and other languages, by executing them in a controlled fashion
and printing their data.
```

- No added dependencies
- No removed dependencies

gdm-2.16.0-31.0.1.el5 - gdm-2.16.0-46.el5

- Group: **User Interface/X**
- Summary: **The GNOME Display Manager.**
- Description:

```
Gdm (the GNOME Display Manager) is a highly configurable
reimplementation of xdm, the X Display Manager. Gdm allows you to log
into your system with the X Window System running and supports running
several different X sessions on your local machine at the same time.
```

- No added dependencies
- No removed dependencies

gedit-2.16.0-5.el5 - gedit-2.16.0-9.el5

- Group: **Applications/Editors**
- Summary: **gEdit is a small but powerful text editor for GNOME**
- Description:

```
gEdit is a small but powerful text editor designed specifically for
the GNOME GUI desktop. gEdit includes a plug-in API (which supports
extensibility while keeping the core binary small), support for
editing multiple documents using notebook tabs, and standard text
editor functions.

You'll need to have GNOME and GTK+ installed to use gEdit.
```

- No added dependencies
- No removed dependencies

gfs-kmod-0.1.19-7.el5 - gfs-kmod-0.1.23-5.el5

- Group: **System Environment/Kernel**
- Summary: **gfs kernel modules**
- Description:

```
gfs - The Global File System is a symmetric, shared-disk, cluster file
system.
```

- Added Dependencies:
  - kernel-devel-ia64 = 2.6.18-92.el5
  - kernel-xen-devel-ia64 = 2.6.18-92.el5
- Removed Dependencies:
  - kernel-devel-ia64 = 2.6.18-53.el5
  - kernel-xen-devel-ia64 = 2.6.18-53.el5

gfs-utils-0.1.12-1.el5 - gfs-utils-0.1.17-1.el5

- Group: **System Environment/Kernel**
- Summary: **Utilities for managing the global filesystem (GFS)**
- Description:

```
The gfs-utils package contains a number of utilities for creating,
checking, modifying, and correcting any inconsistencies in GFS
filesystems.
```

- No added dependencies
- No removed dependencies

gfs2-kmod-1.52-1.16.el5 - gfs2-kmod-1.92-1.1.el5

- Group: **System Environment/Kernel**
- Summary: **gfs2 kernel module**
- Description:

```
GFS2 - The GFS2 filesystem provided for RHEL5.
```

- Added Dependencies:
  - kernel-devel-ia64 = 2.6.18-92.el5
  - kernel-xen-devel-ia64 = 2.6.18-92.el5
- Removed Dependencies:
  - kernel-devel-ia64 = 2.6.18-53.el5
  - kernel-xen-devel-ia64 = 2.6.18-53.el5

gfs2-utils-0.1.38-1.el5 - gfs2-utils-0.1.44-1.el5

- Group: **System Environment/Kernel**
- Summary: **Utilities for managing the global filesystem (GFS)**
- Description:

```
The gfs2-utils package contains a number of utilities for creating,
checking, modifying, and correcting any inconsistencies in GFS
filesystems.
```

- No added dependencies
- No removed dependencies

ghostscript-8.15.2-9.1.el5 - ghostscript-8.15.2-9.1.el5_1.1

- Group: **Applications/Publishing**
- Summary: **A PostScript(TM) interpreter and renderer.**
- Description:

```
Ghostscript is a set of software that provides a PostScript(TM)
interpreter, a set of C procedures (the Ghostscript library, which
implements the graphics capabilities in the PostScript language) and
an interpreter for Portable Document Format (PDF) files. Ghostscript
translates PostScript code into many common, bitmapped formats, like
those understood by your printer or screen. Ghostscript is normally
used to display PostScript files and to print PostScript files to
non-PostScript printers.

If you need to display PostScript files or print them to
non-PostScript printers, you should install ghostscript. If you
install ghostscript, you also need to install the ghostscript-fonts
package.
```

- No added dependencies
- No removed dependencies

glibc-2.5-18 - glibc-2.5-24

- Group: **System Environment/Libraries**
- Summary: **The GNU libc libraries.**
- Description:

```
The glibc package contains standard libraries which are used by
multiple programs on the system. In order to save disk space and
memory, as well as to make upgrading easier, common system code is
kept in one place and shared between programs. This particular package
contains the most important sets of shared libraries: the standard C
library and the standard math library. Without these two libraries, a
Linux system will not function.
```

- No added dependencies
- No removed dependencies

gnome-panel-2.16.1-6.el5 - gnome-panel-2.16.1-7.el5

- Group: **User Interface/Desktops**
- Summary: **GNOME panel**
- Description:

```
The GNOME panel provides the window list, workspace switcher, menus, and
other
features for the GNOME desktop.
```

- No added dependencies
- No removed dependencies

gnome-power-manager-2.16.0-8.el5 - gnome-power-manager-2.16.0-9.el5

- Group: **Applications/System**
- Summary: **GNOME Power Manager**
- Description:

```
GNOME Power Manager uses the information and facilities provided by HAL
displaying icons and handling user callbacks in an interactive GNOME
session.
GNOME Power Preferences allows authorised users to set policy and
change preferences.
```

- No added dependencies
- No removed dependencies

gnome-python2-desktop-2.16.0-1.fc6 - gnome-python2-desktop-2.16.0-2.el5

- Group: **Development/Languages**
- Summary: **The sources for additional PyGNOME Python extension modules for the GNOME desktop**
- Description:

```
The gnome-python-desktop package contains the source packages for
additional
Python bindings for GNOME. It should be used together with gnome-python.
```

- No added dependencies
- No removed dependencies

gnome-python2-extras-2.14.2-4.fc6 - gnome-python2-extras-2.14.2-6.el5

- Group: **Development/Languages**
- Summary: **The sources for additional. PyGNOME Python extension modules.**
- Description:

```
The gnome-python-extra package contains the source packages for
additional
Python bindings for GNOME. It should be used together with gnome-python.
```

- Added Dependencies:
  - gecko-devel-unstable >= 1.9
- Removed Dependencies:
  - firefox-devel >= 1.5.0.5

gnome-screensaver-2.16.1-5.el5 - gnome-screensaver-2.16.1-8.el5

- Group: **Amusements/Graphics**
- Summary: **GNOME Screensaver**
- Description:

```
gnome-screensaver is a screen saver and locker that aims to have
simple, sane, secure defaults and be well integrated with the desktop.
```

- Added Dependencies:
  - libXxf86misc-devel
  - libXxf86vm-devel
- No removed dependencies

gnome-utils-2.16.0-3.el5 - gnome-utils-2.16.0-5.el5

- Group: **Applications/System**
- Summary: **GNOME utility programs**
- Description:

```
GNOME (GNU Network Object Model Environment) is a user-friendly set of
GUI applications and desktop tools to be used in conjunction with a
window manager for the X Window System. The gnome-utils package
includes a set of small "desk accessory" utility applications for GNOME.
```

- No added dependencies
- No removed dependencies

gnome-volume-manager-2.15.0-4.el5 - gnome-volume-manager-2.15.0-5.el5

- Group: **Applications/System**
- Summary: **The GNOME Volume Manager**
- Description:

```
The GNOME Volume Manager monitors volume-related events and responds
with
user-specified policy. The GNOME Volume Manager can automount hot-
plugged
drives, automount inserted removable media, autorun programs,
automatically
play audio CDs and video DVDs, and automatically import photos from a
digital
camera. The GNOME Volume Manager does this entirely in user-space and
without
polling.

The GNOME Voume Manager sits at the top end of a larger picture that
aims to
integrate the Linux system from the kernel on up through the desktop and
its
applications.
```

- No added dependencies
- No removed dependencies

grub-0.97-13 - grub-0.97-13.2

- Group: **System Environment/Base**
- Summary: **GRUB - the Grand Unified Boot Loader.**
- Description:

```
GRUB (Grand Unified Boot Loader) is an experimental boot loader
capable of booting into most free operating systems - Linux, FreeBSD,
NetBSD, GNU Mach, and others as well as most commercial operating
systems.
```

- No added dependencies
- No removed dependencies

gthumb-2.7.8-5.el5 - gthumb-2.7.8-8.el5

- Group: **User Interface/X**
- Summary: **Image viewer, editor, organizer**
- Description:

```
gthumb is an application for viewing, editing, and organizing
collections of images.
```

- No added dependencies
- No removed dependencies

gtk2-2.10.4-19.el5 - gtk2-2.10.4-20.el5

- Group: **System Environment/Libraries**
- Summary: **The GIMP ToolKit (GTK+), a library for creating GUIs for X**
- Description:

```
GTK+ is a multi-platform toolkit for creating graphical user
interfaces. Offering a complete set of widgets, GTK+ is suitable for
projects ranging from small one-off tools to complete application
suites.
```

- No added dependencies
- No removed dependencies

gtkhtml3-3.12.0-1.fc6 - gtkhtml3-3.16.3-1.el5

- Group: **System Environment/Libraries**
- Summary: **gtkhtml library**
- Description:

```
GtkHTML is a lightweight HTML rendering/printing/editing engine. It
was originally based on KHTMLW, but is now being developed
independently of it.
```

- Added Dependencies:
  - intltool >= 0.35.0
- Removed Dependencies:
  - intltool
  - libgnomeprint22-devel >= 2.7.1
  - libgnomeprintui22-devel >= 2.7.1

gzip-1.3.5-9.el5 - gzip-1.3.5-10.el5

- Group: **Applications/File**
- Summary: **The GNU data compression program.**
- Description:

```
The gzip package contains the popular GNU gzip data compression
program. Gzipped files have a .gz extension.

Gzip should be installed on your Red Hat Linux system, because it is a
very commonly used data compression program.
```

- No added dependencies
- No removed dependencies

hal-0.5.8.1-25.el5 - hal-0.5.8.1-35.el5

- Group: **System Environment/Libraries**
- Summary: **Hardware Abstraction Layer**
- Description:

```
HAL is daemon for collection and maintaining information from several
sources about the hardware on the system. It provides a live device
list through D-BUS.
```

- No added dependencies
- No removed dependencies

hal-cups-utils-0.6.2-5 - hal-cups-utils-0.6.2-5.2.el5

- Group: **Applications/System**
- Summary: **Halified CUPS utilities**
- Description:

```
Halified utilities for CUPS:
- hal_lpadmin
- hal CUPS backend
```

- No added dependencies
- No removed dependencies

hplip-1.6.7-4.1.el5 - hplip-1.6.7-4.1.el5_0.3

- Group: **System Environment/Daemons**
- Summary: **HP Linux Imaging and Printing Project**
- Description:

```
The Hewlett-Packard Linux Imaging and Printing Project provides
drivers for HP printers and multi-function peripherals.
```

- Added Dependencies:
  - openssl-devel
- No removed dependencies

htdig-3.2.0b6-9.el5 - htdig-3.2.0b6-9.0.1.el5_1

- Group: **Applications/Internet**
- Summary: **ht://Dig - Web search engine**
- Description:

```
The ht://Dig system is a complete world wide web indexing and searching
system for a small domain or intranet. This system is not meant to
replace
the need for powerful internet-wide search systems like Lycos, Infoseek,
Webcrawler and AltaVista. Instead it is meant to cover the search needs
for
a single company, campus, or even a particular sub section of a web
site. As
opposed to some WAIS-based or web-server based search engines, ht://Dig
can
span several web servers at a site. The type of these different web
servers
doesn't matter as long as they understand the HTTP 1.0 protocol.
ht://Dig is also used by KDE to search KDE's HTML documentation.

ht://Dig was developed at San Diego State University as a way to search
the
various web servers on the campus network.
```

- No added dependencies
- No removed dependencies

htmlview-4.0.0-1.el5 - htmlview-4.0.0-2.el5

- Group: **Applications/Internet**
- Summary: **Launcher of Preferred Web Browser**
- Description:

```
htmlview and launchmail are tools for launching Preferred Applications.
This package exists for compatibility reasons and is likely to be
removed
later when equivalent functionality is implemented elsewhere.
```

- No added dependencies
- No removed dependencies

httpd-2.2.3-11.el5 - httpd-2.2.3-11.el5_1.3

- Group: **System Environment/Daemons**
- Summary: **Apache HTTP Server**
- Description:

```
The Apache HTTP Server is a powerful, efficient, and extensible
web server.
```

- No added dependencies
- No removed dependencies

hwbrowser-0.30-1.el5 - hwbrowser-0.30-2.el5

- Group: **Applications/System**
- Summary: **A hardware browser.**

- Description:

```
A browser for your current hardware configuration.
```

- No added dependencies
- No removed dependencies

hwdata-0.211-1 - hwdata-0.213.6-1.el5

- Group: **System Environment/Base**
- Summary: **Hardware identification and configuration data**
- Description:

```
hwdata contains various hardware identification and configuration data,
such as the pci.ids database and MonitorsDb databases.
```

- No added dependencies
- No removed dependencies

ibutils-1.2-2.el5 - ibutils-1.2-3.el5

- Group: **System Environment/Libraries**
- Summary: **OpenIB Mellanox InfiniBand Diagnostic Tools**
- Description:

```
ibutils provides IB network and path diagnostics.
```

- Added Dependencies:
  - libibumad-devel
- No removed dependencies

icu-3.6-5.11 - icu-3.6-5.11.1

- Group: **System Environment/Libraries**
- Summary: **International Components for Unicode**
- Description:

```
The International Components for Unicode (ICU) libraries provide
robust and full-featured Unicode services on a wide variety of
platforms. ICU supports the most current version of the Unicode
standard, and they provide support for supplementary Unicode
characters (needed for GB 18030 repertoire support).
As computing environments become more heterogeneous, software
portability becomes more important. ICU lets you produce the same
results across all the various platforms you support, without
sacrificing performance. It offers great flexibility to extend and
customize the supplied services.
```

- No added dependencies
- No removed dependencies

initscripts-8.45.17.EL-1 - initscripts-8.45.19.EL-1

- Group: **System Environment/Base**
- Summary: **The inittab file and the /etc/init.d scripts.**
- Description:

```
The initscripts package contains the basic system scripts used to boot
your Red Hat system, change runlevels, and shut the system down
cleanly. Initscripts also contains the scripts that activate and
deactivate most network interfaces.
```

- No added dependencies
- No removed dependencies

iproute-2.6.18-4.el5 - iproute-2.6.18-7.el5

- Group: **Applications/System**
- Summary: **Advanced IP routing and network device configuration tools.**
- Description:

```
The iproute package contains networking utilities (ip and rtmon, for
example) which are designed to use the advanced networking
capabilities of the Linux 2.4.x and 2.6.x kernel.
```

- No added dependencies
- No removed dependencies

iprutils-2.2.6-1.el5 - iprutils-2.2.8-1.el5

- Group: **System Environment/Base**
- Summary: **Utilities for the IBM Power Linux RAID adapters**
- Description:

```
Provides a suite of utilities to manage and configure SCSI devices
supported by the ipr SCSI storage device driver.
```

- No added dependencies
- No removed dependencies

ipsec-tools-0.6.5-8.el5 - ipsec-tools-0.6.5-9.el5

- Group: **System Environment/Base**
- Summary: **Tools for configuring and using IPSEC**
- Description:

```
This is the IPsec-Tools package. You need this package in order to
really use the IPsec functionality in the linux-2.5+ kernels. This
package builds:

- setkey, a program to directly manipulate policies and SAs
- racoon, an IKEv1 keying daemon
```

- No added dependencies
- No removed dependencies

iptables-1.3.5-1.2.1 - iptables-1.3.5-4.el5

- Group: **System Environment/Base**
- Summary: **Tools for managing Linux kernel packet filtering capabilities.**
- Description:

```
The iptables utility controls the network packet filtering code in the
Linux kernel. If you need to set up firewalls and/or IP masquerading,
you should install this package.
```

- No added dependencies
- No removed dependencies

irqbalance-0.55-6.el5 - irqbalance-0.55-10.el5

- Group: **System Environment/Base**
- Summary: **IRQ balancing daemon.**
- Description:

```
irqbalance is a daemon that evenly distributes IRQ load across
multiple CPUs for enhanced performance.
```

- No added dependencies
- No removed dependencies

iscsi-initiator-utils-6.2.0.865-0.8.el5 - iscsi-initiator-utils-6.2.0.868-0.7.el5

- Group: **System Environment/Daemons**
- Summary: **iSCSI daemon and utility programs**
- Description:

```
The iscsi package provides the server daemon for the iSCSI protocol,
as well as the utility programs used to manage it. iSCSI is a protocol
for distributed disk access using SCSI commands sent over Internet
Protocol networks.
```

- Added Dependencies:
  - bison
  - flex

- No removed dependencies

isdn4k-utils-3.2-50.1 - isdn4k-utils-3.2-51.el5

- Group: **Applications/System**
- Summary: **Utilities for configuring an ISDN subsystem.**
- Description:

```
The isdn4k-utils package contains a collection of utilities needed for
configuring an ISDN subsystem.
```

- No added dependencies
- No removed dependencies

jakarta-commons-collections-3.1-6jpp.1 - jakarta-commons-collections-3.2-2jpp.3

- Group: **Development/Libraries/Java**
- Summary: **Jakarta Commons Collections Package**
- Description:

```
The introduction of the Collections API by Sun in JDK 1.2 has been a
boon to quick and effective Java programming. Ready access to powerful
data structures has accelerated development by reducing the need for
custom container classes around each core object. Most Java2 APIs are
significantly easier to use because of the Collections API.
However, there are certain holes left unfilled by Sun's
implementations, and the Jakarta-Commons Collections Component strives
to fulfill them. Among the features of this package are:
- special-purpose implementations of Lists and Maps for fast access
- adapter classes from Java1-style containers (arrays, enumerations) to
Java2-style collections.
- methods to test or create typical set-theory properties of collections
such as union, intersection, and closure.
```

- Added Dependencies:
  - xml-commons-apis >= 1.3
- No removed dependencies

java-1.4.2-gcj-compat-1.4.2.0-40jpp.112 - java-1.4.2-gcj-compat-1.4.2.0-40jpp.115

- Group: **Development/Languages**
- Summary: **JPackage runtime scripts for GCJ**
- Description:

```
This package installs directory structures, shell scripts and symbolic
links to simulate a JPackage-compatible runtime environment with GCJ.
```

- No added dependencies
- No removed dependencies

kbd-1.12-19.el5 - kbd-1.12-20.el5

- Group: **System Environment/Base**
- Summary: **Tools for configuring the console (keyboard, virtual terminals, etc.)**
- Description:

```
The kbd package contains tools for managing a Linux
system's console's behavior, including the keyboard, the screen
fonts, the virtual terminals and font files.
```

- No added dependencies
- No removed dependencies

kdeadmin-3.5.4-2.fc6 - kdeadmin-3.5.4-3.el5

- Group: **User Interface/Desktops**
- Summary: **Administrative tools for KDE.**
- Description:

```
The kdeadmin package includes administrative tools for the K Desktop
Environment (KDE) including:

kcron - Crontab editor
kdat - Tape backup tool
kuser - Frontend for configuring users and user groups
```

- No added dependencies
- No removed dependencies

kdebase-3.5.4-13.6.el5 - kdebase-3.5.4-18.el5

- Group: **User Interface/Desktops**
- Summary: **K Desktop Environment - core files**
- Description:

```
Core applications for the K Desktop Environment. Included are: kdm
(replacement for xdm), kwin (window manager), konqueror (filemanager,
web browser, ftp client, ...), konsole (xterm replacement), kpanel
(application starter and desktop pager), kaudio (audio server),
kdehelp (viewer for kde help files, info and man pages), kthememgr
(system for managing alternate theme packages) plus other KDE
components (kcheckpass, kikbd, kscreensaver, kcontrol, kfind,
kfontmanager, kmenuedit).
```

- No added dependencies
- No removed dependencies

kdelibs-3.5.4-13.el5 - kdelibs-3.5.4-16.el5

- Group: **System Environment/Libraries**
- Summary: **K Desktop Environment - Libraries**

- Description:

```
Libraries for the K Desktop Environment:
KDE Libraries included: kdecore (KDE core library), kdeui (user
interface),
kfm (file manager), khtmlw (HTML widget), kio (Input/Output, networking),
kspell (spelling checker), jscript (javascript), kab (addressbook),
kimgio (image manipulation).
```

- No added dependencies
- No removed dependencies

kernel-2.6.18-53.el5 - kernel-2.6.18-92.el5

- Group: **System Environment/Kernel**
- Summary: **The Linux kernel (the core of the Linux operating system)**
- Description:

```
The kernel package contains the Linux kernel (vmlinuz), the core of any
Linux operating system. The kernel handles the basic functions
of the operating system: memory allocation, process allocation, device
input and output, etc.
```

- No added dependencies
- No removed dependencies

kexec-tools-1.101-194.4.el5 - kexec-tools-1.102pre-21.el5

- Group: **Applications/System**
- Summary: **The kexec/kdump userspace component.**
- Description:

```
kexec-tools provides /sbin/kexec binary that facilitates a new
kernel to boot using the kernel's kexec feature either on a
normal or a panic reboot. This package contains the /sbin/kexec
binary and ancillary utilities that together form the userspace
component of the kernel's kexec feature.
```

- No added dependencies
- No removed dependencies

krb5-1.6.1-17.el5 - krb5-1.6.1-25.el5

- Group: **System Environment/Libraries**
- Summary: **The Kerberos network authentication system.**
- Description:

```
Kerberos V5 is a trusted-third-party network authentication system,
which can improve your network's security by eliminating the insecure
practice of cleartext passwords.
```

- No added dependencies
- No removed dependencies

ksh-20060214-1.4 - ksh-20060214-1.7

- Group: **Applications/Shells**
- Summary: **The Original ATT Korn Shell**
- Description:

```
KSH-93 is the most recent version of the KornShell by David Korn of
AT&T Bell Laboratories.
KornShell is a shell programming language, which is upward compatible
with "sh" (the Bourne Shell).
```

- No added dependencies
- No removed dependencies

kudzu-1.2.57.1.15-1 - kudzu-1.2.57.1.17-1

- Group: **Applications/System**
- Summary: **The Red Hat Linux hardware probing tool.**
- Description:

```
Kudzu is a hardware probing tool run at system boot time to determine
what hardware has been added or removed from the system.
```

- No added dependencies
- No removed dependencies

lam-7.1.2-8.fc6 - lam-7.1.2-14.el5

- Group: **Development/Libraries**
- Summary: **The LAM (Local Area Multicomputer) programming environment.**
- Description:

```
LAM (Local Area Multicomputer) is an Message-Passing Interface (MPI)
programming environment and development system for heterogeneous
computers on a network. With LAM/MPI, a dedicated cluster or an
existing network computing infrastructure can act as one parallel
computer to solve one problem. LAM/MPI is considered to be "cluster
friendly" because it offers daemon-based process startup/control as
well as fast client-to-client message passing protocols. LAM/MPI can
use TCP/IP and/or shared memory for message passing (different RPMs
are supplied for this -- see the main LAM website at
http://www.mpi.nd.edu/lam/ for details).<

LAM features a full implementation of MPI version 1 (with the
exception that LAM does not support cancelling of sends), and much of
version 2. Compliant applications are source code portable between LAM
and any other implementation of MPI. In addition to meeting the
standard, LAM/MPI offers extensive monitoring capabilities to support
debugging. Monitoring happens on two levels: On one level, LAM/MPI has
the hooks to allow a snapshot of a process and message status to be
taken at any time during an application run. The status includes all
aspects of synchronization plus datatype map/signature, communicator
group membership and message contents (see the XMPI application on the
main LAM website). On the second level, the MPI library can produce a
cumulative record of communication, which can be visualized either at
runtime or post-mortem.
```

- No added dependencies
- No removed dependencies

libX11-1.0.3-8.0.1.el5 - libX11-1.0.3-9.el5

- Group: **System Environment/Libraries**
- Summary: **X.Org X11 libX11 runtime library**
- Description:

```
X.Org X11 libX11 runtime library
```

- No added dependencies
- No removed dependencies

libXfont-1.2.2-1.0.2.el5 - libXfont-1.2.2-1.0.3.el5_1

- Group: **System Environment/Libraries**
- Summary: **X.Org X11 libXfont runtime library**
- Description:

```
X.Org X11 libXfont runtime library
```

- No added dependencies
- No removed dependencies

libao-0.8.6-5 - libao-0.8.6-7

- Group: **System Environment/Libraries**
- Summary: **Cross Platform Audio Output Library.**
- Description:

```
Libao is a cross platform audio output library. It currently supports
ESD, OSS, Solaris, and IRIX.
```

- No added dependencies
- No removed dependencies

libchewing-0.3.0-7.el5 - libchewing-0.3.0-8.el5

- Group: **System Environment/Libraries**
- Summary: **Intelligent phonetic input method library for Traditional Chinese**
- Description:

```
libchewing is an intelligent phonetic input method library for Chinese.

It provides the core algorithm and logic that can be used by various
input methods. The Chewing input method is a smart bopomofo phonetics
input method that is useful for inputting Mandarin Chinese.
```

- No added dependencies
- No removed dependencies

libdhcp-1.20-2.el5 - libdhcp-1.20-5.el5

- Group: **Development/Libraries**
- Summary: **A library for network interface configuration with DHCP**
- Description:

```
libdhcp enables programs to invoke and control the Dynamic Host
Configuration
Protocol (DHCP) clients: the Internet Software Consortium (ISC) IPv4
DHCP
client library, libdhcp4client, and the IPv6 DHCPv6 client library,
libdhcp6client, and provides Network Interface Configuration (NIC)
services
for network parameter autoconfiguration with DHCP.
```

- Added Dependencies:
  - dhcp-devel >= 12:3.0.5-13
  - libdhcp4client-devel >= 12:3.0.5-13
  - libdhcp6client-devel >= 1.0.9-1
- Removed Dependencies:
  - dhcp-devel
  - libdhcp4client-devel >= 12:3.0.4-17
  - libdhcp6client-devel

liberation-fonts-0.2-2.el5 - liberation-fonts-1.0-1.el5

- Group: **User Interface/X**
- Summary: **Fonts to replace commonly used Microsoft Windows Fonts**
- Description:

```
The Liberation Fonts are intended to be replacements for the three
most commonly used fonts on Microsoft systems: Times New Roman,
Arial, and Courier New.
```

- No added dependencies
- No removed dependencies

libexif-0.6.13-4.0.2.el5 - libexif-0.6.13-4.0.2.el5_1.1

- Group: **System Environment/Libraries**
- Summary: **Library for extracting extra information from image files**
- Description:

```
Most digital cameras produce EXIF files, which are JPEG files with
extra tags that contain information about the image. The EXIF library
allows you to parse an EXIF file and read the data from those tags.
```

- No added dependencies
- No removed dependencies

libgnomeprint22-2.12.1-9.el5 - libgnomeprint22-2.12.1-10.el5

- Group: **System Environment/Base**
- Summary: **Printing library for GNOME.**
- Description:

```
GNOME (GNU Network Object Model Environment) is a user-friendly set of
applications and desktop tools to be used in conjunction with a window
manager for the X Window System. The gnome-print package contains
libraries and fonts needed by GNOME applications for printing.

You should install the gnome-print package if you intend to use any of
the GNOME applications that can print. If you would like to develop
GNOME applications that can print you will also need to install the
gnome-print devel package.
```

- No added dependencies
- No removed dependencies

libhugetlbfs-1.0.1-1.el5 - libhugetlbfs-1.2-5.el5

- Group: **System Environment/Libraries**
- Summary: **Library to access the Huge TLB Filesystem**
- Description:

```
The libhugetlbfs library interacts with the Linux hugetlbfs to make large
pages
available to applications in a transparent manner.
```

- No added dependencies
- No removed dependencies

libica-1.3.7-5.el5 - libica-1.3.7-7.el5

- Group: **System Environment/Libraries**
- Summary: **A library of functions for accessing ICA hardware crypto on IBM zSeries**
- Description:

```
A library of functions for accessing ICA hardware crypto on IBM zSeries
```

- Added Dependencies:
  - autoconf
  - automake
  - libtool
- No removed dependencies

libnl-1.0-0.10.pre5.4 - libnl-1.0-0.10.pre5.5

- Group: **Development/Libraries**
- Summary: **Convenience library for kernel netlink sockets**
- Description:

```
This package contains a convenience library to simplify
using the Linux kernel's netlink sockets interface for
network manipulation
```

- No added dependencies
- No removed dependencies

libpng-1.2.10-7.0.2 - libpng-1.2.10-7.1.el5_0.1

- Group: **System Environment/Libraries**
- Summary: **A library of functions for manipulating PNG image format files**
- Description:

```
The libpng package contains a library of functions for creating and
manipulating PNG (Portable Network Graphics) image format files. PNG
is a bit-mapped graphics format similar to the GIF format. PNG was
created to replace the GIF format, since GIF uses a patented data
compression algorithm.

Libpng should be installed if you need to manipulate PNG format image
files.
```

- No added dependencies
- No removed dependencies

libraw1394-1.2.1-1.fc6 - libraw1394-1.3.0-1.el5

- Group: **System Environment/Libraries**
- Summary: **Library providing low-level IEEE-1394 access**
- Description:

```
The libraw1394 library provides direct access to the IEEE-1394 bus
through
the Linux 1394 subsystem's raw1394 user space interface.
```

- Added Dependencies:
  - autoconf
  - automake
  - libtool
- No removed dependencies

librtas-1.2.4-3.el5 - librtas-1.3.3-1.el5

- Group: **System Environment/Libraries**
- Summary: **Libraries to provide access to RTAS calls and RTAS events**
- Description:

```
The librtas shared library provides userspace with an interface
through which certain RTAS calls can be made. The library uses
either of the RTAS User Module or the RTAS system call to direct
the kernel in making these calls.

The librtasevent shared library provides users with a set of
definitions and common routines useful in parsing and dumping
the contents of RTAS events.
```

- No added dependencies
- No removed dependencies

libselinux-1.33.4-4.el5 - libselinux-1.33.4-5.el5

- Group: **System Environment/Libraries**
- Summary: **SELinux library and simple utilities**
- Description:

```
Security-enhanced Linux is a feature of the Linux® kernel and a number
of utilities with enhanced security functionality designed to add
mandatory access controls to Linux. The Security-enhanced Linux
kernel contains new architectural components originally developed to
improve the security of the Flask operating system. These
architectural components provide general support for the enforcement
of many kinds of mandatory access control policies, including those
based on the concepts of Type Enforcement®, Role-based Access
Control, and Multi-level Security.

libselinux provides an API for SELinux applications to get and set
process and file security contexts and to obtain security policy
decisions. Required for any applications that use the SELinux API.
```

- No added dependencies
- No removed dependencies

libuser-0.54.7-2.el5.2 - libuser-0.54.7-2.el5.5

- Group: **System Environment/Base**
- Summary: **A user and group account administration library.**
- Description:

```
The libuser library implements a standardized interface for manipulating
and administering user and group accounts. The library uses pluggable
back-ends to interface to its data sources.

Sample applications modeled after those included with the shadow
password
suite are included.
```

- No added dependencies
- No removed dependencies

libvirt-0.2.3-9.el5 - libvirt-0.3.3-7.el5

- Group: **Development/Libraries**
- Summary: **Library providing a simple API virtualization**
- Description:

```
Libvirt is a C toolkit to interract with the virtualization capabilities
of recent versions of Linux (and other OSes).
```

- Added Dependencies:
  - avahi-devel
  - bridge-utils
  - dnsmasq
  - gnutls-devel
- Removed Dependencies:
  - /sbin/iptables

- libsysfs-devel

libxml2-2.6.26-2.1.2 - libxml2-2.6.26-2.1.2.1

- Group: **Development/Libraries**
- Summary: **Library providing XML and HTML support**
- Description:

```
This library allows to manipulate XML files. It includes support
to read, modify and write XML and HTML files. There is DTDs support
this includes parsing and validation even with complex DtDs, either
at parse time or later once the document has been modified. The output
can be a simple SAX stream or and in-memory DOM like representations.
In this case one can use the built-in XPath and XPointer implementation
to select subnodes or ranges. A flexible Input/Output mechanism is
available, with existing HTTP and FTP modules and combined to an
URI library.
```

- No added dependencies
- No removed dependencies

logrotate-3.7.4-7 - logrotate-3.7.4-8

- Group: **System Environment/Base**
- Summary: **Rotates, compresses, removes and mails system log files.**
- Description:

```
The logrotate utility is designed to simplify the administration of
log files on a system which generates a lot of log files. Logrotate
allows for the automatic rotation compression, removal and mailing of
log files. Logrotate can be set to handle a log file daily, weekly,
monthly or when the log file gets to a certain size. Normally,
logrotate runs as a daily cron job.

Install the logrotate package if you need a utility to deal with the
log files on your system.
```

- No added dependencies
- No removed dependencies

logwatch-7.3-5 - logwatch-7.3-6.el5

- Group: **Applications/System**
- Summary: **A log file analysis program**
- Description:

```
Logwatch is a customizable, pluggable log-monitoring system. It will go
through your logs for a given period of time and make a report in the
areas
that you wish with the detail that you wish. Easy to use - works right out
of the package on many systems.
```

- No added dependencies
- No removed dependencies

ltrace-0.5-6.45svn.fc6 - ltrace-0.5-7.45svn.el5

- Group: **Development/Debuggers**
- Summary: **Tracks runtime library calls from dynamically linked executables.**
- Description:

```
Ltrace is a debugging program which runs a specified command until the
command exits. While the command is executing, ltrace intercepts and
records both the dynamic library calls called by the executed process
and the signals received by the executed process. Ltrace can also
intercept and print system calls executed by the process.

You should install ltrace if you need a sysadmin tool for tracking the
execution of processes.
```

- No added dependencies
- No removed dependencies

lvm2-2.02.26-3.el5 - lvm2-2.02.32-4.el5

- Group: **System Environment/Base**
- Summary: **Userland logical volume management tools**
- Description:

```
LVM2 includes all of the support for handling read/write operations on
physical volumes (hard disks, RAID-Systems, magneto optical, etc.,
multiple devices (MD), see mdadd(8) or even loop devices, see
losetup(8)), creating volume groups (kind of virtual disks) from one
or more physical volumes and creating one or more logical volumes
(kind of logical partitions) in volume groups.
```

- Added Dependencies:
  - device-mapper >= 1.02.24-1
- Removed Dependencies:
  - device-mapper >= 1.02.20-1

lvm2-cluster-2.02.26-1.el5 - lvm2-cluster-2.02.32-4.el5

- Group: **System Environment/Base**
- Summary: **Cluster extensions for userland logical volume management tools**
- Description:

```
Extensions to LVM2 to support clusters.
```

- Added Dependencies:

    - device-mapper >= 1.02.24-1
  - Removed Dependencies:
    - device-mapper >= 1.02.20-1

m17n-db-1.3.3-46.el5 - m17n-db-1.3.3-48.el5

- Group: **System Environment/Libraries**
- Summary: **Multilingualization datafiles for m17n-lib**
- Description:

```
This package contains multilingualization (m17n) datafiles for m17n-lib
which describe input maps, encoding maps, and OpenType font data
for many languages.
```

- No added dependencies
- No removed dependencies

m2crypto-0.16-6.el5.1 - m2crypto-0.16-6.el5.2

- Group: **System Environment/Libraries**
- Summary: **Support for using OpenSSL in python scripts**
- Description:

```
This package allows you to call OpenSSL functions from python scripts.
```

- No added dependencies
- No removed dependencies

mailman-2.1.9-2 - mailman-2.1.9-4.el5

- Group: **Applications/Internet**
- Summary: **Mailing list manager with built in Web access.**
- Description:

```
Mailman is software to help manage email discussion lists, much like
Majordomo and Smartmail. Unlike most similar products, Mailman gives
each mailing list a webpage, and allows users to subscribe,
unsubscribe, etc. over the Web. Even the list manager can administer
his or her list entirely from the Web. Mailman also integrates most
things people want to do with mailing lists, including archiving, mail
<-> news gateways, and so on.

Documentation can be found in: /usr/share/doc/mailman-2.1.9

When the package has finished installing, you will need to perform some
additional installation steps, these are described in:
/usr/share/doc/mailman-2.1.9/INSTALL.REDHAT
```

- No added dependencies
- No removed dependencies

make-3.81-1.1 - make-3.81-3.el5

- Group: **Development/Tools**
- Summary: **A GNU tool which simplifies the build process for users.**
- Description:

```
A GNU tool for controlling the generation of executables and other
non-source files of a program from the program's source files. Make
allows users to build and install packages without any significant
knowledge about the details of the build process. The details about
how the program should be built are provided for make in the program's
makefile.

The GNU make tool should be installed on your system because it is
commonly used to simplify the process of installing programs.
```

- No added dependencies
- No removed dependencies

man-pages-ja-20060815-5 - man-pages-ja-20060815-6.el5

- Group: **Documentation**
- Summary: **Japanese man (manual) pages from the Japanese Manual Project**
- Description:

```
Japanese Manual pages, translated by JM-Project (Japanese Manual
Project).
```

- No added dependencies
- No removed dependencies

mcstrans-0.2.6-1.el5 - mcstrans-0.2.7-1.el5

- Group: **System Environment/Daemons**
- Summary: **SELinux Translation Daemon**
- Description:

```
Security-enhanced Linux is a feature of the Linux® kernel and a number
of utilities with enhanced security functionality designed to add
mandatory access controls to Linux. The Security-enhanced Linux
kernel contains new architectural components originally developed to
improve the security of the Flask operating system. These
architectural components provide general support for the enforcement
of many kinds of mandatory access control policies, including those
based on the concepts of Type Enforcement®, Role-based Access
Control, and Multi-level Security.

mcstrans provides an translation daemon to translate SELinux categories
from internal representations to user defined representation.
```

- No added dependencies

- No removed dependencies

mdadm-2.5.4-3.el5 - mdadm-2.6.4-1.el5

- Group: **System Environment/Base**
- Summary: **mdadm controls Linux md devices (software RAID arrays)**
- Description:

```
mdadm is used to create, manage, and monitor Linux MD (software RAID)
devices. As such, it provides similar functionality to the raidtools
package. However, mdadm is a single program, and it can perform
almost all functions without a configuration file, though a configuration
file can be used to help with some common tasks.
```

- No added dependencies
- No removed dependencies

metacity-2.16.0-8.el5 - metacity-2.16.0-10.el5

- Group: **User Interface/Desktops**
- Summary: **Metacity window manager**
- Description:

```

Metacity is a simple window manager that integrates nicely with
GNOME 2.
```

- No added dependencies
- No removed dependencies

microcode_ctl-1.17-1.42.el5 - microcode_ctl-1.17-1.47.el5

- Group: **System Environment/Base**
- Summary: **Tool to update x86/x86-64 CPU microcode.**
- Description:

```
microcode_ctl - updates the microcode on Intel x86/x86-64 CPU's
```

- No added dependencies
- No removed dependencies

mkinitrd-5.1.19.6-19 - mkinitrd-5.1.19.6-28

- Group: **System Environment/Base**
- Summary: **Creates an initial ramdisk image for preloading modules.**
- Description:

```
Mkinitrd creates filesystem images for use as initial ramdisk (initrd)
images. These ramdisk images are often used to preload the block
device modules (SCSI or RAID) needed to access the root filesystem.

In other words, generic kernels can be built without drivers for any
SCSI adapters which load the SCSI driver as a module. Since the
kernel needs to read those modules, but in this case it isn't able to
address the SCSI adapter, an initial ramdisk is used. The initial
ramdisk is loaded by the operating system loader (normally LILO) and
is available to the kernel as soon as the ramdisk is loaded. The
ramdisk image loads the proper SCSI adapter and allows the kernel to
mount the root filesystem. The mkinitrd program creates such a
ramdisk using information found in the /etc/modules.conf file.
```

- No added dependencies
- No removed dependencies

module-init-tools-3.3-0.pre3.1.34.el5 - module-init-tools-3.3-0.pre3.1.37.el5

- Group: **System Environment/Kernel**
- Summary: **Kernel module management utilities.**
- Description:

```
The modutils package includes various programs needed for automatic
loading and unloading of modules under 2.6 and later kernels, as well
as other module management programs. Device drivers and filesystems
are two examples of loaded and unloaded modules.
```

- No added dependencies
- No removed dependencies

mozldap-6.0.4-1.el5 - mozldap-6.0.5-1.el5

- Group: **System Environment/Libraries**
- Summary: **Mozilla LDAP C SDK**
- Description:

```
The Mozilla LDAP C SDK is a set of libraries that
allow applications to communicate with LDAP directory
servers. These libraries are derived from the University
of Michigan and Netscape LDAP libraries. They use Mozilla
NSPR and NSS for crypto.
```

- No added dependencies
- No removed dependencies

mysql-5.0.22-2.1.0.1 - mysql-5.0.45-7.el5

- Group: **Applications/Databases**
- Summary: **MySQL client programs and shared libraries.**
- Description:

```
MySQL is a multi-user, multi-threaded SQL database server. MySQL is a
client/server implementation consisting of a server daemon (mysqld)
and many different client programs and libraries. The base package
contains the MySQL client programs, the client shared libraries, and
generic MySQL files.
```

- Added Dependencies:
  - gawk
- No removed dependencies

nautilus-2.16.2-6.el5 - nautilus-2.16.2-7.el5

- Group: **User Interface/Desktops**
- Summary: **Nautilus is a file manager for GNOME.**
- Description:

```
Nautilus integrates access to files, applications, media,
Internet-based resources and the Web. Nautilus delivers a dynamic and
rich user experience. Nautilus is an free software project developed
under the GNU General Public License and is a core component of the
GNOME desktop project.
```

- No added dependencies
- No removed dependencies

net-snmp-5.3.1-19.el5 - net-snmp-5.3.1-24.el5

- Group: **System Environment/Daemons**
- Summary: **A collection of SNMP protocol tools and libraries.**
- Description:

```
SNMP (Simple Network Management Protocol) is a protocol used for
network management. The NET-SNMP project includes various SNMP tools:
an extensible agent, an SNMP library, tools for requesting or setting
information from SNMP agents, tools for generating and handling SNMP
traps, a version of the netstat command which uses SNMP, and a Tk/Perl
mib browser. This package contains the snmpd and snmptrapd daemons,
documentation, etc.

You will probably also want to install the net-snmp-utils package,
which contains NET-SNMP utilities.

Building option:
--without tcp_wrappers : disable tcp_wrappers support
```

- No added dependencies
- No removed dependencies

net-tools-1.60-73 - net-tools-1.60-78.el5

- Group: **System Environment/Base**
- Summary: **Basic networking tools.**

- Description:

```
The net-tools package contains basic networking tools, including
ifconfig, netstat, route, and others.
```

- No added dependencies
- No removed dependencies

newt-0.52.2-9 - newt-0.52.2-10.el5

- Group: **System Environment/Libraries**
- Summary: **A development library for text mode user interfaces.**
- Description:

```
Newt is a programming library for color text mode, widget based user
interfaces. Newt can be used to add stacked windows, entry widgets,
checkboxes, radio buttons, labels, plain text fields, scrollbars,
etc., to text mode user interfaces. This package also contains the
shared library needed by programs built with newt, as well as a
/usr/bin/dialog replacement called whiptail. Newt is based on the
slang library.
```

- No added dependencies
- No removed dependencies

nfs-utils-1.0.9-24.el5 - nfs-utils-1.0.9-33.el5

- Group: **System Environment/Daemons**
- Summary: **NFS utilities and supporting clients and daemons for the kernel NFS server.**
- Description:

```
The nfs-utils package provides a daemon for the kernel NFS server and
related tools, which provides a much higher level of performance than
the
traditional Linux NFS server used by most users.

This package also contains the showmount program. Showmount queries the
mount daemon on a remote host for information about the NFS (Network
File
System) server on the remote host. For example, showmount can display
the
clients which are mounted on that host.

This package also contains the mount.nfs and umount.nfs program.
```

- No added dependencies
- No removed dependencies

notification-daemon-0.3.5-8.el5 - notification-daemon-0.3.5-9.el5

- Group: **System Environment/Libraries**

- Summary: **Notification Daemon**
- Description:

```
notification-daemon is the server implementation of the freedesktop.org
desktop
notification specification.
```

- No added dependencies
- No removed dependencies

nspr-4.6.5-3.el5 - nspr-4.7.0.99.2-1.el5

- Group: **System Environment/Libraries**
- Summary: **Netscape Portable Runtime**
- Description:

```
NSPR provides platform independence for non-GUI operating system
facilities. These facilities include threads, thread synchronization,
normal file and network I/O, interval timing and calendar time, basic
memory management (malloc and free) and shared library linking.
```

- No added dependencies
- No removed dependencies

nss-3.11.7-1.3.el5 - nss-3.11.99.5-2.el5

- Group: **System Environment/Libraries**
- Summary: **Network Security Services**
- Description:

```
Network Security Services (NSS) is a set of libraries designed to
support cross-platform development of security-enabled client and
server applications. Applications built with NSS can support SSL v2
and v3, TLS, PKCS #5, PKCS #7, PKCS #11, PKCS #12, S/MIME, X.509
v3 certificates, and other security standards.
```

- Added Dependencies:
  - nspr-devel >= 4.6.99
- Removed Dependencies:
  - nspr-devel >= 4.6.2

nss_db-2.2-35.1 - nss_db-2.2-35.3

- Group: **System Environment/Libraries**
- Summary: **An NSS library for the Berkeley DB.**
- Description:

```
Nss_db is a set of C library extensions which allow Berkeley Databases
to be used as a primary source of aliases, ethers, groups, hosts,
networks, protocol, users, RPCs, services, and shadow passwords
(instead of or in addition to using flat files or NIS). Install nss_db
if your flat name service files are too large and lookups are slow.
```

- No added dependencies
- No removed dependencies

nss_ldap-253-5.el5 - nss_ldap-253-12.el5

- Group: **System Environment/Base**
- Summary: **NSS library and PAM module for LDAP.**
- Description:

```
This package includes two LDAP access clients: nss_ldap and pam_ldap.
Nss_ldap is a set of C library extensions that allow X.500 and LDAP
directory servers to be used as a primary source of aliases, ethers,
groups, hosts, networks, protocol, users, RPCs, services, and shadow
passwords (instead of or in addition to using flat files or NIS).

Pam_ldap is a module for Linux-PAM that supports password changes, V2
clients, Netscape's SSL, ypldapd, Netscape Directory Server password
policies, access authorization, and crypted hashes.
```

- Added Dependencies:
  - keyutils-libs-devel
  - libselinux-devel
- No removed dependencies

ntp-4.2.2p1-7.el5 - ntp-4.2.2p1-8.el5

- Group: **System Environment/Daemons**
- Summary: **Synchronizes system time using the Network Time Protocol (NTP).**
- Description:

```
The Network Time Protocol (NTP) is used to synchronize a computer's
time with another reference time source. The ntp package contains
utilities and daemons that will synchronize your computer's time to
Coordinated Universal Time (UTC) via the NTP protocol and NTP servers.
The ntp package includes ntpdate (a program for retrieving the date
and time from remote machines via a network) and ntpd (a daemon which
continuously adjusts system time).

Install the ntp package if you need tools for keeping your system's
time synchronized via the NTP protocol.
```

- Added Dependencies:
  - perl-HTML-Parser
- No removed dependencies

oddjob-0.27-7 - oddjob-0.27-9.el5

- Group: **System Environment/Daemons**
- Summary: **A D-BUS service which runs odd jobs on behalf of client applications**
- Description:

```
oddjob is a D-BUS service which performs particular tasks for clients
which
connect to it and issue requests using the system-wide message bus.
```

- No added dependencies
- No removed dependencies

openCryptoki-2.2.4-16.el5 - openCryptoki-2.2.4-21.el5

- Group: **Productivity/Security**
- Summary: **Implementation of Cryptoki v2.11 for IBM Crypto Hardware**
- Description:

```
The PKCS#11 Version 2.11 api implemented for the IBM Crypto cards.
This package includes support for the IBM 4758 Cryptographic
CoProcessor (with the PKCS#11 firmware loaded) and the IBM eServer
Cryptographic Accelerator (FC 4960 on pSeries)
```

- Added Dependencies:
  - trousers-devel
- No removed dependencies

openais-0.80.3-7.el5 - openais-0.80.3-15.el5

- Group: **System Environment/Base**
- Summary: **The openais Standards-Based Cluster Framework executive and APIs**
- Description:

```
This package contains the openais executive, openais service handlers,
default configuration files and init script.
```

- No added dependencies
- No removed dependencies

openhpi-2.8.1-2.el5.7 - openhpi-2.10.2-1.el5

- Group: **System Environment/Base**
- Summary: **openhpi Hardware Platform Interface (HPI) library and tools**
- Description:

```
OpenHPI is an open source project created with the intent of providing
an
implementation of the SA Forum's Hardware Platform Interface (HPI). HPI
provides an abstracted interface to managing computer hardware,
typically for
chassis and rack based servers. HPI includes resource modeling; access to
and
control over sensor, control, watchdog, and inventory data associated
with
resources; abstracted System Event Log interfaces; hardware events and
alerts;
and a managed hotswap interface.

OpenHPI provides a modular mechanism for adding new hardware and device
support
easily. Many plugins exist in the OpenHPI source tree to provide access
to
various types of hardware. This includes, but is not limited to, IPMI
based
servers, Blade Center, and machines which export data via sysfs.
```

- No added dependencies
- No removed dependencies

openib-1.2-6.el5 - openib-1.3-3.el5

- Group: **System Environment/Base**
- Summary: **OpenIB Infiniband Driver Stack**
- Description:

```
User space initialization scripts for the kernel InfiniBand drivers
```

- No added dependencies
- Removed Dependencies:
  - autoconf
  - automake
  - libsysfs-devel
  - libtool
  - pciutils-devel
  - zlib-devel

openldap-2.3.27-8 - openldap-2.3.27-8.el5_1.3

- Group: **System Environment/Daemons**
- Summary: **The configuration files, libraries, and documentation for OpenLDAP.**
- Description:

```
OpenLDAP is an open source suite of LDAP (Lightweight Directory Access
Protocol) applications and development tools. LDAP is a set of
protocols for accessing directory services (usually phone book style
information, but other information is possible) over the Internet,
similar to the way DNS (Domain Name System) information is propagated
over the Internet. The openldap package contains configuration files,
libraries, and documentation for OpenLDAP.
```

- No added dependencies
- No removed dependencies

openmotif-2.3.0-0.3.el5 - openmotif-2.3.0-0.5.el5

- Group: **System Environment/Libraries**
- Summary: **Open Motif runtime libraries and executables.**
- Description:

```
This is the Open Motif 2.3.0 runtime environment. It includes the
Motif shared libraries, needed to run applications which are dynamically
linked against Motif, and the Motif Window Manager "mwm".
```

- No added dependencies
- No removed dependencies

openmpi-1.2.3-4.el5 - openmpi-1.2.5-5.el5

- Group: **Development/Libraries**
- Summary: **Open Message Passing Interface**
- Description:

```
Open MPI is an open source, freely available implementation of both the
MPI-1 and MPI-2 standards, combining technologies and resources from
several other projects (FT-MPI, LA-MPI, LAM/MPI, and PACX-MPI) in
order to build the best MPI library available. A completely new MPI-2
compliant implementation, Open MPI offers advantages for system and
software vendors, application developers, and computer science
researchers. For more information, see http://www.open-mpi.org/ .
```

- No added dependencies
- No removed dependencies

openssh-4.3p2-24.el5 - openssh-4.3p2-26.el5

- Group: **Applications/Internet**
- Summary: **The OpenSSH implementation of SSH protocol versions 1 and 2**
- Description:

```
SSH (Secure SHell) is a program for logging into and executing
commands on a remote machine. SSH is intended to replace rlogin and
rsh, and to provide secure encrypted communications between two
untrusted hosts over an insecure network. X11 connections and
arbitrary TCP/IP ports can also be forwarded over the secure channel.

OpenSSH is OpenBSD's version of the last free version of SSH, bringing
it up to date in terms of security and features, as well as removing
all patented algorithms to separate libraries.

This package includes the core files necessary for both the OpenSSH
client and server. To make this package useful, you should also
install openssh-clients, openssh-server, or both.
```

- No added dependencies
- No removed dependencies

openssl-0.9.8b-8.3.el5_0.2 - openssl-0.9.8b-10.el5

- Group: **System Environment/Libraries**
- Summary: **The OpenSSL toolkit**
- Description:

```
The OpenSSL toolkit provides support for secure communications between
machines. OpenSSL includes a certificate management tool and shared
libraries which provide various cryptographic algorithms and
protocols.
```

- No added dependencies
- No removed dependencies

oprofile-0.9.2-6.el5 - oprofile-0.9.3-16.el5

- Group: **Development/System**
- Summary: **System wide profiler**
- Description:

```
OProfile is a profiling system for systems running Linux. The
profiling runs transparently during the background, and profile data
can be collected at any time. OProfile makes use of the hardware
performance
counters provided on Intel P6, and AMD Athlon family processors, and can
use
the RTC for profiling on other x86 processor types.

See the HTML documentation for further details.
```

- No added dependencies
- No removed dependencies

pam-0.99.6.2-3.26.el5 - pam-0.99.6.2-3.27.el5

- Group: **System Environment/Base**
- Summary: **A security tool which provides authentication for applications**
- Description:

```
PAM (Pluggable Authentication Modules) is a system security tool that
allows system administrators to set authentication policy without
having to recompile programs that handle authentication.
```

- No added dependencies
- No removed dependencies

parted-1.8.1-12.el5 - parted-1.8.1-17.el5

- Group: **Applications/System**
- Summary: **The GNU disk partition manipulation program**
- Description:

```
The GNU Parted program allows you to create, destroy, resize, move,
and copy hard disk partitions. Parted can be used for creating space
for new operating systems, reorganizing disk usage, and copying data
to new hard disks.
```

- No added dependencies
- No removed dependencies

pciutils-2.2.3-4 - pciutils-2.2.3-5

- Group: **Applications/System**
- Summary: **PCI bus related utilities.**
- Description:

```
The pciutils package contains various utilities for inspecting and
setting devices connected to the PCI bus. The utilities provided
require kernel version 2.1.82 or newer (which support the
/proc/bus/pci interface).
```

- No added dependencies
- No removed dependencies

pcre-6.6-1.1 - pcre-6.6-2.el5_1.7

- Group: **System Environment/Libraries**
- Summary: **Perl-compatible regular expression library**
- Description:

```
Perl-compatible regular expression library.
PCRE has its own native API, but a set of "wrapper" functions that are
based on
the POSIX API are also supplied in the library libpcreposix. Note that
this
just provides a POSIX calling interface to PCRE: the regular expressions
themselves still follow Perl syntax and semantics. The header file
for the POSIX-style functions is called pcreposix.h.
```

- No added dependencies
- No removed dependencies

pcsc-lite-1.3.1-7 - pcsc-lite-1.4.4-0.1.el5

- Group: **System Environment/Daemons**
- Summary: **PC/SC Lite smart card framework and applications**
- Description:

```
The purpose of PC/SC Lite is to provide a Windows(R) SCard interface
in a very small form factor for communicating to smartcards and
readers. PC/SC Lite uses the same winscard API as used under
Windows(R). This package includes the PC/SC Lite daemon, a resource
manager that coordinates communications with smart card readers and
smart cards that are connected to the system, as well as other command
line tools.
```

- No added dependencies
- No removed dependencies

perl-5.8.8-10 - perl-5.8.8-10.el5_0.2

- Group: **Development/Languages**
- Summary: **The Perl programming language**
- Description:

```
Perl is a high-level programming language with roots in C, sed, awk
and shell scripting. Perl is good at handling processes and files,
and is especially good at handling text. Perl's hallmarks are
practicality and efficiency. While it is used to do a lot of
different things, Perl's most common applications are system
administration utilities and web programming. A large proportion of
the CGI scripts on the web are written in Perl. You need the perl
package installed on your system so that your system can handle Perl
scripts.

Install this package if you want to program in Perl or enable your
system to handle Perl scripts.
```

- No added dependencies
- No removed dependencies

php-5.1.6-15.el5 - php-5.1.6-20.el5

- Group: **Development/Languages**
- Summary: **The PHP HTML-embedded scripting language. (PHP: Hypertext Preprocessor)**
- Description:

```
PHP is an HTML-embedded scripting language. PHP attempts to make it
easy for developers to write dynamically generated webpages. PHP also
offers built-in database integration for several commercial and
non-commercial database management systems, so writing a
database-enabled webpage with PHP is fairly simple. The most common
use of PHP coding is probably as a replacement for CGI scripts.

The php package contains the module which adds support for the PHP
language to Apache HTTP Server.
```

- No added dependencies
- No removed dependencies

php-pear-1.4.9-4 - php-pear-1.4.9-4.el5.1

- Group: **System**
- Summary: **PHP Extension and Application Repository framework**
- Description:

```
PEAR is a framework and distribution system for reusable PHP
components. This package contains the basic PEAR components.
```

- No added dependencies
- No removed dependencies

piranha-0.8.4-7.el5 - piranha-0.8.4-9.3.el5

- Group: **System Environment/Base**
- Summary: **Cluster administation tools**
- Description:

```
Various tools to administer and configure the Linux Virtual Server as
well as
heartbeating and failover components. The LVS is a dynamically adjusted
kernel routing mechanism that provides load balancing primarily for web
and ftp servers though other services are supported.
```

- No added dependencies
- No removed dependencies

pirut-1.2.10-1.el5 - pirut-1.3.28-13.el5

- Group: **Applications/System**
- Summary: **Package Installation, Removal and Update Tools**
- Description:

```
pirut (pronounced "pirate") provides a set of graphical tools for
managing
software.
```

- No added dependencies
- No removed dependencies

pkgconfig-0.21-1.fc6 - pkgconfig-0.21-2.el5

- Group: **Development/Tools**
- Summary: **A tool for determining compilation options.**
- Description:

```
The pkgconfig tool determines compilation options. For each required
library, it reads the configuration file and outputs the necessary
compiler and linker flags.
```

- No added dependencies
- No removed dependencies

pm-utils-0.99.3-6.el5.17 - pm-utils-0.99.3-6.el5.19

- Group: **System Environment/Base**
- Summary: **Power management utilities and scripts for Fedora Core**
- Description:

```
The pm-utils package contains utilities and scripts for Fedora Core
useful for power management.
```

- No added dependencies
- No removed dependencies

policycoreutils-1.33.12-12.el5 - policycoreutils-1.33.12-14.el5

- Group: **System Environment/Base**
- Summary: **SELinux policy core utilities.**
- Description:

```
Security-enhanced Linux is a feature of the Linux® kernel and a number
of utilities with enhanced security functionality designed to add
mandatory access controls to Linux. The Security-enhanced Linux
kernel contains new architectural components originally developed to
improve the security of the Flask operating system. These
architectural components provide general support for the enforcement
of many kinds of mandatory access control policies, including those
based on the concepts of Type Enforcement®, Role-based Access
Control, and Multi-level Security.

policycoreutils contains the policy core utilities that are required
for basic operation of a SELinux system. These utilities include
load_policy to load policies, setfiles to label filesystems, newrole
to switch roles, and run_init to run /etc/init.d scripts in the proper
context.
```

- No added dependencies
- No removed dependencies

poppler-0.5.4-4.1.el5 - poppler-0.5.4-4.4.el5_1

- Group: **Development/Libraries**
- Summary: **PDF rendering library**
- Description:

```
Poppler, a PDF rendering library, it's a fork of the xpdf PDF
viewer developed by Derek Noonburg of Glyph and Cog, LLC.
```

- No added dependencies
- No removed dependencies

postgresql-8.1.9-1.el5 - postgresql-8.1.11-1.el5_1.1

- Group: **Applications/Databases**
- Summary: **PostgreSQL client programs and libraries.**
- Description:

```
PostgreSQL is an advanced Object-Relational database management system
(DBMS) that supports almost all SQL constructs (including
transactions, subselects and user-defined types and functions). The
postgresql package includes the client programs and libraries that
you'll need to access a PostgreSQL DBMS server. These PostgreSQL
client programs are programs that directly manipulate the internal
structure of PostgreSQL databases on a PostgreSQL server. These client
programs can be located on the same machine with the PostgreSQL
server, or may be on a remote machine which accesses a PostgreSQL
server over a network connection. This package contains the docs
in HTML for the whole package, as well as command-line utilities for
managing PostgreSQL databases on a PostgreSQL server.

If you want to manipulate a PostgreSQL database on a remote PostgreSQL
server, you need this package. You also need to install this package
if you're installing the postgresql-server package.
```

- No added dependencies
- No removed dependencies

ppc64-utils-0.11-2 - ppc64-utils-0.11-9.el5

- Group: **System Environment/Base**
- Summary: **Linux/PPC64 specific utilities**
- Description:

```
A collection of utilities for Linux on PPC64 platforms.
```

- Added Dependencies:
  - db4-devel
  - librtas-devel >= 1.3.3
  - libstdc++-devel
  - libtool
  - sg3_utils-devel
  - zlib-devel
- Removed Dependencies:
  - librtas-devel

procps-3.2.7-8.1.el5 - procps-3.2.7-9.el5

- Group: **Applications/System**
- Summary: **System and process monitoring utilities.**
- Description:

```
The procps package contains a set of system utilities that provide
system information. Procps includes ps, free, skill, pkill, pgrep,
snice, tload, top, uptime, vmstat, w, watch and pdwx. The ps command
displays a snapshot of running processes. The top command provides
a repetitive update of the statuses of running processes. The free
command displays the amounts of free and used memory on your
system. The skill command sends a terminate command (or another
specified signal) to a specified set of processes. The snice
command is used to change the scheduling priority of specified
processes. The tload command prints a graph of the current system
load average to a specified tty. The uptime command displays the
current time, how long the system has been running, how many users
are logged on, and system load averages for the past one, five,
and fifteen minutes. The w command displays a list of the users
who are currently logged on and what they are running. The watch
program watches a running program. The vmstat command displays
virtual memory statistics about processes, memory, paging, block
I/O, traps, and CPU activity. The pwdx command reports the current
working directory of a process or processes.
```

- No added dependencies
- No removed dependencies

psmisc-22.2-5 - psmisc-22.2-6

- Group: **Applications/System**
- Summary: **Utilities for managing processes on your system.**
- Description:

```
The psmisc package contains utilities for managing processes on your
system: pstree, killall and fuser. The pstree command displays a tree
structure of all of the running processes on your system. The killall
command sends a specified signal (SIGTERM if nothing is specified) to
processes identified by name. The fuser command identifies the PIDs
of processes that are using specified files or filesystems.
```

- No added dependencies
- No removed dependencies

pygtk2-2.10.1-8.el5 - pygtk2-2.10.1-12.el5

- Group: **Development/Languages**
- Summary: **Python bindings for the GTK+ widget set.**
- Description:

```
PyGTK is an extension module for python that gives you access to the GTK+
widget set. Just about anything you can write in C with GTK+ you can
write
in python with PyGTK (within reason), but with all the benefits of
python.
```

- No added dependencies
- No removed dependencies

pykickstart-0.43-1.el5 - pykickstart-0.43.1-1.el5

- Group: **System Environment/Libraries**
- Summary: **A python library for manipulating kickstart files**
- Description:

```
The pykickstart package is a python library for manipulating kickstart
files.
```

- No added dependencies
- No removed dependencies

python-2.4.3-19.el5 - python-2.4.3-21.el5

- Group: **Development/Languages**
- Summary: **An interpreted, interactive, object-oriented programming language.**
- Description:

```
Python is an interpreted, interactive, object-oriented programming
language often compared to Tcl, Perl, Scheme or Java. Python includes
modules, classes, exceptions, very high level dynamic data types and
dynamic typing. Python supports interfaces to many system calls and
libraries, as well as to various windowing systems (X11, Motif, Tk,
Mac and MFC).

Programmers can write new built-in modules for Python in C or C++.
Python can be used as an extension language for applications that need
a programmable interface. This package contains most of the standard
Python modules, as well as modules for interfacing to the Tix widget
set for Tk and RPM.

Note that documentation for Python is provided in the python-docs
package.
```

- No added dependencies
- No removed dependencies

python-virtinst-0.103.0-3.el5 - python-virtinst-0.300.2-8.el5

- Group: **Development/Libraries**
- Summary: **Python modules for starting Xen guest installations**
- Description:

```
virtinst is a module to help in starting installations of Fedora/Red
Hat Enterprise Linux related distributions inside of virtual machines. It
supports both paravirt guests (for which only FC and RHEL guests are
currently supported) as well as fully virtualized guests. It uses
libvirt (http://www.libvirt.org) for starting things.

Also contained is a simple script virt-install which uses
virtinst in a command line mode.
```

- Added Dependencies:
  - gettext
  - libvirt-python
  - libxml2-python
  - python-urlgrabber
- No removed dependencies

redhat-release-5Server-5.1.0.2 - redhat-release-5Server-5.2.0.4

- Group: **System Environment/Base**
- Summary: **Red Hat Enterprise Linux release file**
- Description:

```
Red Hat Enterprise Linux release files
```

- No added dependencies
- No removed dependencies

redhat-release-notes-5Server-9 - redhat-release-notes-5Server-12

- Group: **System Environment/Base**
- Summary: **Red Hat Enterprise Linux release notes files**
- Description:

```
Red Hat Enterprise Linux release notes files.
```

- No added dependencies
- No removed dependencies

redhat-rpm-config-8.0.45-22.el5 - redhat-rpm-config-8.0.45-24.el5

- Group: **Development/System**
- Summary: **Red Hat specific rpm configuration files.**
- Description:

```
Red Hat specific rpm configuration files.
```

- No added dependencies
- No removed dependencies

rgmanager-2.0.31-1.el5 - rgmanager-2.0.38-2.el5

- Group: **System Environment/Base**
- Summary: **Open Source HA Resource Group Failover for Red Hat Enterprise Linux**
- Description:

```
Red Hat Resource Group Manager provides high availability of critical
server
applications in the event of planned or unplanned system downtime.
```

- Added Dependencies:
  - slang-devel
- No removed dependencies

rhel-instnum-1.0.7-1.el5 - rhel-instnum-1.0.8-1.el5

- Group: **System Environment/Base**
- Summary: **A library for decoding RHEL installation numbers**
- Description:

```
rhel-instnum provides methods for decoding RHEL installation numbers
```

- No added dependencies
- Removed Dependencies:
  - python

rhn-client-tools-0.4.16-1.el5 - rhn-client-tools-0.4.17-8.el5

- Group: **System Environment/Base**
- Summary: **Support programs and libraries for Red Hat Network**
- Description:

```
Red Hat Network Client Tools provides programs and libraries to allow
your
system to receive software updates from Red Hat Network.
```

- No added dependencies
- No removed dependencies

rhpxl-0.41.1-1.el5 - rhpxl-0.41.1-6.el5

- Group: **System Environment/Libraries**
- Summary: **Python library for configuring and running X.**
- Description:

```
The rhpxl (pronounced 'rapunzel') package contains a Python library for
configuring and running X.
```

- No added dependencies
- No removed dependencies

rpm-4.4.2-47.el5 - rpm-4.4.2-48.el5

- Group: **System Environment/Base**
- Summary: **The RPM package management system.**
- Description:

```
The RPM Package Manager (RPM) is a powerful command line driven
package management system capable of installing, uninstalling,
verifying, querying, and updating software packages. Each software
package consists of an archive of files along with information about
the package like its version, a description, etc.
```

- No added dependencies
- No removed dependencies

rsh-0.17-37.el5 - rsh-0.17-38.el5

- Group: **Applications/Internet**
- Summary: **Clients for remote access commands (rsh, rlogin, rcp).**
- Description:

```
The rsh package contains a set of programs which allow users to run
commands on remote machines, login to other machines and copy files
between machines (rsh, rlogin and rcp). All three of these commands
use rhosts style authentication. This package contains the clients
needed for all of these services.
The rsh package should be installed to enable remote access to other
machines.
```

- No added dependencies
- No removed dependencies

ruby-1.8.5-5.el5 - ruby-1.8.5-5.el5_1.1

- Group: **Development/Languages**
- Summary: **An interpreter of object-oriented scripting language**
- Description:

```
Ruby is the interpreted scripting language for quick and easy
object-oriented programming. It has many features to process text
files and to do system management tasks (as in Perl). It is simple,
straight-forward, and extensible.
```

- No added dependencies
- No removed dependencies

s390utils-1.5.3-10.el5.14 - s390utils-1.5.3-17.el5

- Group: **System Environment/Base**
- Summary: **Linux/390 specific utilities.**
- Description:

```
This package contains utilities related to Linux for S/390.
The most important programs contained in this package are:

- The cmstools suite to list, check, copy and cat files from a CMS
volume.
- chccwdev, a script to generically change attributes of a ccw device.
- dasdfmt, which is used to low-level format eckd-dasds with
either the classic linux disk layout or the new z/OS
compatible disk layout.
- dasdview, which displays DASD and VTOC information and dumps the
content
of a DASD to the console.
- fdasd, which is used to create or modify partitions on
eckd-dasds formatted with the z/OS compatible disk layout.
- osasnmpd, a subagent for net-snmp to access the OSA hardware.
- qetharp to query and purge address data in the OSA and HiperSockets
hardware
- qethconf to configure IBM QETH function IPA, VIPA and Proxy ARP.
- src_vipa.sh to start applications using VIPA capabilities
- tunedasd, a tool to adjust tunable parameters on DASD devices
- vmconvert, a tool to convert vm dumps to lkcd compatible dumps.
- vmcp, a tool to send CP commands from a Linux guest to the VM.
- zipl, which is used to make either dasds or tapes bootable
for system IPL or system dump.
- zdump, which is used to retrieve system dumps from either
tapes or dasds.
```

- No added dependencies
- No removed dependencies

salinfo-1.1-3.el5 - salinfo-1.1-4.el5

- Group: **Utilities/System**
- Summary: **Sal info tool.**
- Description:

```
The IA64 Linux kernel has a Software Abstraction Layer (SAL). One of
SAL's tasks is to record machine problems such as CMC (correctable
machine checks), CPE (correctable platform errors), MCA (machine check
architecture) and INIT (cpu initialized after boot). These records are
provided by SAL to user space. salinfo saves and decodes CMC/CPE/MCA
and INIT records.
```

- No added dependencies
- No removed dependencies

samba-3.0.25b-0.el5.4 - samba-3.0.28-0.el5.8

- Group: **System Environment/Daemons**
- Summary: **The Samba SMB server.**
- Description:

```
Samba is the suite of programs by which a lot of PC-related machines
share files, printers, and other information (such as lists of
available files and printers). The Windows NT, OS/2, and Linux
operating systems support this natively, and add-on packages can
enable the same thing for DOS, Windows, VMS, UNIX of all kinds, MVS,
and more. This package provides an SMB server that can be used to
provide network services to SMB (sometimes called "Lan Manager")
clients. Samba uses NetBIOS over TCP/IP (NetBT) protocols and does NOT
need the NetBEUI (Microsoft Raw NetBIOS frame) protocol.
```

- No added dependencies
- No removed dependencies

sblim-1-29.EL5 - sblim-1-31.el5

- Group: **Applications/System**
- Summary: **Standards Based Linux Instrumentation for Manageability**
- Description:

```
SBLIM stands for Standards Based Linux Instrumentation for Manageability,
and consists of a set of standards based Web Based Enterprise Management
(WBEM) modules that use the Common Information Model (CIM) standard to
gather and provide systems management information, events, and methods
to local or networked consumers via an CIM object services broker using
the CMPI (Common Manageability Programming Interface) standard.
This package provides a set of core providers and development tools
for systems management applications.
```

- No added dependencies
- No removed dependencies

scim-anthy-1.2.0-5.el5 - scim-anthy-1.2.0-6.el5

- Group: **System Environment/Libraries**
- Summary: **SCIM IMEngine for anthy for Japanese input**
- Description:

```
Scim-anthy is a SCIM IMEngine module for anthy to support Japanese input.
```

- No added dependencies
- No removed dependencies

scim-chewing-0.3.1-10.el5 - scim-chewing-0.3.1-11.el5

- Group: **System Environment/Libraries**
- Summary: **Chewing Chinese input method for SCIM**
- Description:

```
This package provides Chewing Chinese input method for SCIM.
```

- No added dependencies
- No removed dependencies

scim-pinyin-0.5.91-15.el5 - scim-pinyin-0.5.91-16.el5

- Group: **System Environment/Libraries**
- Summary: **Smart Pinyin IMEngine for Smart Common Input Method platform**
- Description:

```
Simplified Chinese Smart Pinyin IMEngine for SCIM.
```

- No added dependencies
- No removed dependencies

selinux-policy-2.4.6-104.el5 - selinux-policy-2.4.6-137.el5

- Group: **System Environment/Base**
- Summary: **SELinux policy configuration**
- Description:

```
SELinux Reference Policy - modular.
```

- No added dependencies
- No removed dependencies

setroubleshoot-1.8.11-4.el5 - setroubleshoot-2.0.5-3.el5

- Group: **Applications/System**
- Summary: **Helps troubleshoot SELinux problems**
- Description:

```
setroubleshoot gui. Application that allows you to view setroubleshoot-
server
messages.
Provides tools to help diagnose SELinux problems. When AVC messages
are generated an alert can be generated that will give information
about the problem and help track its resolution. Alerts can be
configured
to user preference. The same tools can be run on existing log files.
```

- Added Dependencies:
  - desktop-file-utils
  - htmlview
- No removed dependencies

sg3_utils-1.20-2.1 - sg3_utils-1.25-1.el5

- Group: **Utilities/System**

- Summary: **Utils for Linux's SCSI generic driver devices + raw devices**
- Description:

```
Collection of Linux utilities for devices that use the SCSI command set.
Includes utilities to copy data based on "dd" syntax and semantics
(called
sg_dd, sgp_dd and sgm_dd); check INQUIRY data and VPD pages (sg_inq);
check
mode and log pages (sginfo, sg_modes and sg_logs); spin up and down
disks (sg_start); do self tests (sg_senddiag); and various other
functions.
See the README, CHANGELOG and COVERAGE files. Requires the linux kernel
2.4
series or later. In the 2.4 series SCSI generic device names (e.g.
/dev/sg0)
must be used. In the 2.6 series other device names may be used as
well (e.g. /dev/sda).

Warning: Some of these tools access the internals of your system
and the incorrect usage of them may render your system inoperable.
```

- No added dependencies
- No removed dependencies

shadow-utils-4.0.17-12.el5 - shadow-utils-4.0.17-13.el5

- Group: **System Environment/Base**
- Summary: **Utilities for managing accounts and shadow password files.**
- Description:

```
The shadow-utils package includes the necessary programs for
converting UNIX password files to the shadow password format, plus
programs for managing user and group accounts. The pwconv command
converts passwords to the shadow password format. The pwunconv command
unconverts shadow passwords and generates an npasswd file (a standard
UNIX password file). The pwck command checks the integrity of password
and shadow files. The lastlog command prints out the last login times
for all users. The useradd, userdel, and usermod commands are used for
managing user accounts. The groupadd, groupdel, and groupmod commands
are used for managing group accounts.
```

- No added dependencies
- No removed dependencies

shared-mime-info-0.19-3.el5 - shared-mime-info-0.19-5.el5

- Group: **System Environment/Libraries**
- Summary: **Shared MIME information database**
- Description:

```
This is the freedesktop.org shared MIME info database.

Many programs and desktops use the MIME system to represent the types of
files. Frequently, it is necessary to work out the correct MIME type for
a file. This is generally done by examining the file's name or contents,
and looking up the correct MIME type in a database.
```

- No added dependencies
- No removed dependencies

smartmontools-5.36-3.1.el5 - smartmontools-5.36-4.el5

- Group: **System Environment/Base**
- Summary: **Tools for monitoring SMART capable hard disks**
- Description:

```
The smartmontools package contains two utility programs (smartctl
and smartd) to control and monitor storage systems using the Self-
Monitoring, Analysis and Reporting Technology System (SMART) built
into most modern ATA and SCSI hard disks. In many cases, these
utilities will provide advanced warning of disk degradation and
failure.
```

- No added dependencies
- No removed dependencies

sos-1.7-9.1.el5 - sos-1.7-9.2.el5

- Group: **Development/Libraries**
- Summary: **A set of tools to gather troubleshooting information from a system**
- Description:

```
Sos is a set of tools that gathers information about system
hardware and configuration. The information can then be used for
diagnostic purposes and debugging. Sos is commonly used to help
support technicians and developers.
```

- No added dependencies
- No removed dependencies

spamassassin-3.1.9-1.el5 - spamassassin-3.2.4-1.el5

- Group: **Applications/Internet**
- Summary: **Spam filter for email which can be invoked from mail delivery agents.**
- Description:

```
SpamAssassin provides you with a way to reduce if not completely
eliminate
Unsolicited Commercial Email (SPAM) from your incoming email. It can
be invoked by a MDA such as sendmail or postfix, or can be called from
a procmail script, .forward file, etc. It uses a genetic-algorithm
evolved scoring system to identify messages which look spammy, then
adds headers to the message so they can be filtered by the user's mail
reading software. This distribution includes the spamd/spamc components
which create a server that considerably speeds processing of mail.

To enable spamassassin, if you are receiving mail locally, simply add
this line to your ~/.procmailrc:
INCLUDERC=/etc/mail/spamassassin/spamassassin-default.rc

To filter spam for all users, add that line to /etc/procmailrc
(creating if necessary).
```

- Added Dependencies:
  - perl-HTML-Parser >= 3.43
- No removed dependencies

speex-1.0.5-4 - speex-1.0.5-4.el5_1.1

- Group: **System Environment/Libraries**
- Summary: **A voice compression format (codec)**
- Description:

```
Speex is a patent-free compression format designed especially for
speech. It is specialized for voice communications at low bit-rates in
the 2-45 kbps range. Possible applications include Voice over IP
(VoIP), Internet audio streaming, audio books, and archiving of speech
data (e.g. voice mail).
```

- No added dependencies
- No removed dependencies

squid-2.6.STABLE6-4.el5 - squid-2.6.STABLE6-5.el5_1.3

- Group: **System Environment/Daemons**
- Summary: **The Squid proxy caching server.**
- Description:

```
Squid is a high-performance proxy caching server for Web clients,
supporting FTP, gopher, and HTTP data objects. Unlike traditional
caching software, Squid handles all requests in a single,
non-blocking, I/O-driven process. Squid keeps meta data and especially
hot objects cached in RAM, caches DNS lookups, supports non-blocking
DNS lookups, and implements negative caching of failed requests.

Squid consists of a main server program squid, a Domain Name System
lookup program (dnsserver), a program for retrieving FTP data
(ftpget), and some management and client tools.
```

- No added dependencies
- No removed dependencies

sudo-1.6.8p12-10 - sudo-1.6.8p12-12.el5

- Group: **Applications/System**
- Summary: **Allows restricted root access for specified users.**
- Description:

```
Sudo (superuser do) allows a system administrator to give certain
users (or groups of users) the ability to run some (or all) commands
as root while logging all commands and arguments. Sudo operates on a
per-command basis. It is not a replacement for the shell. Features
include: the ability to restrict what commands a user may run on a
per-host basis, copious logging of each command (providing a clear
audit trail of who did what), a configurable timeout of the sudo
command, and the ability to use the same configuration file (sudoers)
on many different machines.
```

- Added Dependencies:
  - audit-libs-devel
  - libcap-devel
- No removed dependencies

sysklogd-1.4.1-40.el5 - sysklogd-1.4.1-44.el5

- Group: **System Environment/Daemons**
- Summary: **System logging and kernel message trapping daemons.**
- Description:

```
The sysklogd package contains two system utilities (syslogd and klogd)
which provide support for system logging. Syslogd and klogd run as
daemons (background processes) and log system messages to different
places, like sendmail logs, security logs, error logs, etc.
```

- No added dependencies
- No removed dependencies

sysstat-7.0.0-3.el5 - sysstat-7.0.2-1.el5

- Group: **Applications/System**
- Summary: **The sar and iostat system monitoring commands.**
- Description:

```
This package provides the sar and iostat commands for Linux. Sar and
iostat enable system monitoring of disk, network, and other IO
activity.
```

- No added dependencies
- No removed dependencies

system-config-cluster-1.0.50-1.3 - system-config-cluster-1.0.52-1.1

- Group: **Applications/System**
- Summary: **system-config-cluster is a utility which allows you to manage cluster configuration in a graphical setting.**
- Description:

```
system-config-cluster is a utility which allows you to manage cluster
configuuration in a graphical setting.
```

- No added dependencies
- No removed dependencies

system-config-date-1.8.12-1.el5 - system-config-date-1.8.12-3.el5

- Group: **System Environment/Base**
- Summary: **A graphical interface for modifying system date and time**
- Description:

```
system-config-date is a graphical interface for changing the system date
and
time, configuring the system time zone, and setting up the NTP daemon to
synchronize the time of the system with an NTP time server.
```

- No added dependencies
- No removed dependencies

system-config-httpd-1.3.3.1-1.el5 - system-config-httpd-1.3.3.3-1.el5

- Group: **Applications/System**
- Summary: **Apache configuration tool**
- Description:

```
A RHN configuration tool for apache.
```

- Added Dependencies:
  - gettext
- No removed dependencies

system-config-kdump-1.0.12-1.el5 - system-config-kdump-1.0.14-1.el5

- Group: **System Environment/Base**
- Summary: **A graphical interface for configuring kernel crash dumping**
- Description:

```
system-config-kdump is a graphical tool for configuring kernel crash
dumping via kdump and kexec.
```

- No added dependencies

- No removed dependencies

system-config-kickstart-2.6.19.1-1.el5 - system-config-kickstart-2.6.19.6-1.el5

- Group: **System Environment/Base**
- Summary: **A graphical interface for making kickstart files.**
- Description:

```
Kickstart Configurator is a graphical tool for creating kickstart files.
```

- No added dependencies
- No removed dependencies

system-config-language-1.1.18-1.el5 - system-config-language-1.1.18-2.el5

- Group: **System Environment/Base**
- Summary: **A graphical interface for modifying the system language**
- Description:

```
system-config-language is a graphical user interface that
allows the user to change the default language of the system.
```

- No added dependencies
- No removed dependencies

system-config-lvm-1.0.22-1.0.el5 - system-config-lvm-1.1.3-2.0.el5

- Group: **Applications/System**
- Summary: **A utility for graphically configuring Logical Volumes**
- Description:

```
system-config-lvm is a utility for graphically configuring Logical
Volumes
```

- Added Dependencies:
  - intltool
- No removed dependencies

system-config-network-1.3.99-2.el5 - system-config-network-1.3.99.10-2.el5

- Group: **Applications/System**
- Summary: **The GUI of the NEtwork Adminstration Tool**
- Description:

```
This is the GUI of the network configuration tool,
supporting Ethernet, Wireless, TokenRing, ADSL, ISDN and PPP.
```

- No added dependencies
- No removed dependencies

system-config-printer-0.7.32.5-1.el5 - system-config-printer-0.7.32.8-1.el5

- Group: **System Environment/Base**
- Summary: **A printer administration tool**
- Description:

```
system-config-printer is a graphical user interface that allows
the user to configure a CUPS print server.
```

- No added dependencies
- No removed dependencies

system-config-securitylevel-1.6.29.1-1.el5 - system-config-securitylevel-1.6.29.1-2.1.el5

- Group: **System Environment/Base**
- Summary: **A graphical interface for modifying the system security level**
- Description:

```
system-config-securitylevel is a graphical user interface for
setting basic firewall rules.
```

- No added dependencies
- No removed dependencies

system-config-users-1.2.51-1.el5 - system-config-users-1.2.51-4.el5

- Group: **Applications/System**
- Summary: **A graphical interface for administering users and groups**
- Description:

```
system-config-users is a graphical utility for administrating
users and groups. It depends on the libuser library.
```

- No added dependencies
- No removed dependencies

systemtap-0.5.14-1.el5 - systemtap-0.6.2-1.el5

- Group: **Development/System**
- Summary: **Instrumentation System**
- Description:

```
SystemTap is an instrumentation system for systems running Linux 2.6.
Developers can write instrumentation to collect data on the operation
of the system.
```

- Added Dependencies:

    - /usr/bin/dvips
    - /usr/bin/latex
    - /usr/bin/ps2pdf
    - crash-devel
    - latex2html
    - libcap-devel
    - zlib-devel
  - Removed Dependencies:
    - dejagnu
    - glib2-devel >= 2.0.0

tcpdump-3.9.4-11.el5 - tcpdump-3.9.4-12.el5

- Group: **Applications/Internet**
- Summary: **A network traffic monitoring tool.**
- Description:

```
Tcpdump is a command-line tool for monitoring network traffic.
Tcpdump can capture and display the packet headers on a particular
network interface or on all interfaces. Tcpdump can display all of
the packet headers, or just the ones that match particular criteria.

Install tcpdump if you need a program to monitor network traffic.
```

- Added Dependencies:
  - /usr/sbin/sendmail
- No removed dependencies

telnet-0.17-38.el5 - telnet-0.17-39.el5

- Group: **Applications/Internet**
- Summary: **The client program for the telnet remote login protocol.**
- Description:

```
Telnet is a popular protocol for logging into remote systems over the
Internet. The telnet package provides a command line telnet client.
```

- No added dependencies
- No removed dependencies

tetex-3.0-33.1.el5 - tetex-3.0-33.2.el5_1.2

- Group: **Applications/Publishing**
- Summary: **The TeX text formatting system.**
- Description:

```
TeTeX is an implementation of TeX for Linux or UNIX systems. TeX takes
a text file and a set of formatting commands as input and creates a
typesetter-independent .dvi (DeVice Independent) file as output.
Usually, TeX is used in conjunction with a higher level formatting
package like LaTeX or PlainTeX, since TeX by itself is not very
user-friendly. The output format needn't to be DVI, but also PDF,
when using pdflatex or similar tools.

Install tetex if you want to use the TeX text formatting system. Consider
to install tetex-latex (a higher level formatting package which provides
an easier-to-use interface for TeX). Unless you are an expert at using
TeX,
you should also install the tetex-doc package, which includes the
documentation for TeX.
```

- No added dependencies
- No removed dependencies

tk-8.4.13-3.fc6 - tk-8.4.13-5.el5_1.1

- Group: **Development/Languages**
- Summary: **Tk graphical toolkit for the Tcl scripting language**
- Description:

```
When paired with the Tcl scripting language, Tk provides a fast and
powerful
way to create cross-platform GUI applications.
```

- No added dependencies
- No removed dependencies

tog-pegasus-2.6.1-2.el5 - tog-pegasus-2.7.0-2.el5

- Group: **Systems Management/Base**
- Summary: **OpenPegasus WBEM Services for Linux**
- Description:

```
OpenPegasus WBEM Services for Linux enables management solutions that
deliver
increased control of enterprise resources. WBEM is a platform and
resource
independent DMTF standard that defines a common information model and
communication protocol for monitoring and controlling resources from
diverse
sources.
```

- Added Dependencies:
  - net-snmp-devel
- No removed dependencies

tomcat5-5.5.23-0jpp.3.0.2.el5 - tomcat5-5.5.23-0jpp.7.el5

- Group: **Networking/Daemons**
- Summary: **Apache Servlet/JSP Engine, RI for Servlet 2.4/JSP 2.0 API**
- Description:

```
Tomcat is the servlet container that is used in the official Reference
Implementation for the Java Servlet and JavaServer Pages technologies.
The Java Servlet and JavaServer Pages specifications are developed by
Sun under the Java Community Process.

Tomcat is developed in an open and participatory environment and
released under the Apache Software License. Tomcat is intended to be
a collaboration of the best-of-breed developers from around the world.
We invite you to participate in this open development project. To
learn more about getting involved, click here.
```

- No added dependencies
- No removed dependencies

totem-2.16.7-1.el5 - totem-2.16.7-4.el5

- Group: **Applications/Multimedia**
- Summary: **Movie player for GNOME 2**
- Description:

```
Totem is simple movie player for the Gnome desktop. It features a
simple playlist, a full-screen mode, seek and volume controls, as well
as
a pretty complete keyboard navigation.
```

- Added Dependencies:
  - gecko-devel-unstable >= 1.9
- Removed Dependencies:
  - firefox-devel

traceroute-2.0.1-2.el5 - traceroute-2.0.1-3.el5

- Group: **Applications/Internet**
- Summary: **Traces the route taken by packets over an IPv4/IPv6 network**
- Description:

```
The traceroute utility displays the route used by IP packets on their
way to a specified network (or Internet) host. Traceroute displays
the IP number and host name (if possible) of the machines along the
route taken by the packets. Traceroute is used as a network debugging
tool. If you're having network connectivity problems, traceroute will
show you where the trouble is coming from along the route.

Install traceroute if you need a tool for diagnosing network connectivity
problems.
```

- No added dependencies
- No removed dependencies

tzdata-2007d-1.el5 - tzdata-2007k-2.el5

- Group: **System Environment/Base**
- Summary: **Timezone data**
- Description:

```
This package contains data files with rules for various timezones around
the world.
```

- No added dependencies
- No removed dependencies

udev-095-14.9.el5 - udev-095-14.16.el5

- Group: **System Environment/Base**
- Summary: **A userspace implementation of devfs**
- Description:

```
The udev package contains an implementation of devfs in
userspace using sysfs and netlink.
```

- No added dependencies
- No removed dependencies

usermode-1.88-3.el5 - usermode-1.88-3.el5.1

- Group: **Applications/System**
- Summary: **Tools for certain user account management tasks.**
- Description:

```
The usermode package contains the userhelper program, which can be
used to allow configured programs to be run with superuser privileges
by ordinary users.
```

- No added dependencies
- No removed dependencies

util-linux-2.13-0.45.el5 - util-linux-2.13-0.47.el5

- Group: **System Environment/Base**
- Summary: **A collection of basic system utilities.**
- Description:

```
The util-linux package contains a large variety of low-level system
utilities that are necessary for a Linux system to function. Among
others, Util-linux contains the fdisk configuration tool and the login
program.
```

- No added dependencies

- No removed dependencies

virt-manager-0.4.0-3.el5 - virt-manager-0.5.3-8.el5

- Group: **Applications/Emulators**
- Summary: **Virtual Machine Manager**
- Description:

```
Virtual Machine Manager provides a graphical tool for administering
virtual machines such as Xen. It uses libvirt as the backend management
API.
```

- No added dependencies
- No removed dependencies

vsftpd-2.0.5-10.el5 - vsftpd-2.0.5-12.el5

- Group: **System Environment/Daemons**
- Summary: **vsftpd - Very Secure Ftp Daemon**
- Description:

```
vsftpd is a Very Secure FTP daemon. It was written completely from
scratch.
```

- No added dependencies
- No removed dependencies

wireshark-0.99.6-1.el5 - wireshark-0.99.7-1.el5

- Group: **Applications/Internet**
- Summary: **Network traffic analyzer**
- Description:

```
Wireshark is a network traffic analyzer for Unix-ish operating systems.

This package lays base for libpcap, a packet capture and filtering
library, contains command-line utilities, contains plugins and
documentation for wireshark. A graphical user interface is packaged
separately to GTK+ package.
```

- Added Dependencies:
  - libsmi-devel
- Removed Dependencies:
  - net-snmp-devel >= 5.3
  - net-snmp-utils >= 5.3

wpa_supplicant-0.4.8-10.1.fc6 - wpa_supplicant-0.4.8-10.2.el5

- Group: **System Environment/Base**

- Summary: **WPA/WPA2/IEEE 802.1X Supplicant**
- Description:

```
wpa_supplicant is a WPA Supplicant for Linux, BSD and Windows with
support
for WPA and WPA2 (IEEE 802.11i / RSN). Supplicant is the IEEE 802.1X/WPA
component that is used in the client stations. It implements key
negotiation
with a WPA Authenticator and it controls the roaming and IEEE 802.11
authentication/association of the wlan driver.
```

- No added dependencies
- No removed dependencies

x3270-3.3.4p7-3.el5.1 - x3270-3.3.4p7-3.el5.4

- Group: **Applications/Internet**
- Summary: **An X Window System based IBM 3278/3279 terminal emulator**
- Description:

```
The x3270 package contains files needed for emulating the IBM 3278/3279
terminals, commonly used with mainframe applications.

You will also need to install a frontend for x3270. Available frontends
are x3270-x11 (for the X Window System) and x3270-text (for text mode).
```

- Added Dependencies:
  - /usr/bin/makeconv
  - libicu-devel
- No removed dependencies

xen-3.0.3-41.el5 - xen-3.0.3-64.el5

- Group: **Development/Libraries**
- Summary: **Xen is a virtual machine monitor**
- Description:

```
This package contains the Xen tools and management daemons needed
to run virtual machines on x86, x86_64, and ia64 systems.
Information on how to use Xen can be found at the Xen project pages.

The Xen system also requires the Xen hypervisor and domain-0
kernel, which can be found in the kernel-xen* package.

Virtualization can be used to run multiple operating systems on one
physical system, for purposes of hardware consolidation, hardware
abstraction, or to test untrusted applications in a sandboxed
environment.
```

- No added dependencies
- No removed dependencies

xorg-x11-drv-ati-6.6.3-3.2.el5 - xorg-x11-drv-ati-6.6.3-3.13.el5

- Group: **User Interface/X Hardware Support**
- Summary: **Xorg X11 ati video driver**
- Description:

```
X.Org X11 ati video driver.
```

- Added Dependencies:
  - autoconf
  - automake
  - libtool
  - xorg-x11-server-randr-source >= 1.1.1-48.39.el5
- No removed dependencies

xorg-x11-drv-i810-1.6.5-9.6.el5 - xorg-x11-drv-i810-1.6.5-9.13.el5

- Group: **User Interface/X Hardware Support**
- Summary: **Xorg X11 i810 video driver(s)**
- Description:

```
X.Org X11 i810 video driver.
```

- Added Dependencies:
  - xorg-x11-server-randr-source >= 1.1.1-48.39.el5
- No removed dependencies

xorg-x11-drv-keyboard-1.1.0-2.1 - xorg-x11-drv-keyboard-1.1.0-3

- Group: **User Interface/X Hardware Support**
- Summary: **Xorg X11 keyboard input driver**
- Description:

```
X.Org X11 keyboard input driver.
```

- No added dependencies
- No removed dependencies

xorg-x11-drv-mga-1.4.2-6.el5 - xorg-x11-drv-mga-1.4.2-7.el5

- Group: **User Interface/X Hardware Support**
- Summary: **Xorg X11 mga video driver**
- Description:

```
X.Org X11 mga video driver.
```

- No added dependencies
- No removed dependencies

xorg-x11-drv-nv-2.1.2-1.el5 - xorg-x11-drv-nv-2.1.6-6.el5

- Group: **User Interface/X Hardware Support**
- Summary: **Xorg X11 nv video driver**
- Description:

```
X.Org X11 nv video driver.
```

- Added Dependencies:
  - xorg-x11-server-randr-source
- No removed dependencies

xorg-x11-drv-sis-0.9.1-7 - xorg-x11-drv-sis-0.9.1-7.1.el5

- Group: **User Interface/X Hardware Support**
- Summary: **Xorg X11 sis video driver**
- Description:

```
X.Org X11 sis video driver.
```

- No added dependencies
- No removed dependencies

xorg-x11-server-1.1.1-48.26.el5 - xorg-x11-server-1.1.1-48.41.el5

- Group: **User Interface/X**
- Summary: **X.Org X11 X server**
- Description:

```
X.Org X11 X server
```

- No added dependencies
- No removed dependencies

xorg-x11-xinit-1.0.2-13.el5 - xorg-x11-xinit-1.0.2-15.el5

- Group: **User Interface/X**
- Summary: **X.Org X11 X Window System xinit startup scripts**
- Description:

```
X.Org X11 X Window System xinit startup scripts
```

- No added dependencies
- No removed dependencies

xsane-0.991-4.el5 - xsane-0.991-5.el5

- Group: **Applications/Multimedia**
- Summary: **An X Window System front-end for the SANE scanner interface.**
- Description:

```
XSane is an X based interface for the SANE (Scanner Access Now Easy)
library, which provides access to scanners, digital cameras, and other
capture devices. XSane is written in GTK+ and provides control for
performing the scan and then manipulating the captured image.
```

- No added dependencies
- No removed dependencies

yelp-2.16.0-15.el5 - yelp-2.16.0-18.el5

- Group: **Applications/System**
- Summary: **A system documentation reader from the Gnome project**
- Description:

```
Yelp is the Gnome 2 help/documentation browser. It is designed
to help you browse all the documentation on your system in
one central tool.
```

- Added Dependencies:
  - gecko-devel-unstable >= 1.9
- Removed Dependencies:
  - gecko-devel >= 1.8.0.12

yum-3.0.1-5.el5 - yum-3.2.8-9.el5

- Group: **System Environment/Base**
- Summary: **RPM installer/updater**
- Description:

```
Yum is a utility that can check for and automatically download and
install updated RPM packages. Dependencies are obtained and downloaded
automatically prompting the user as necessary.
```

- No added dependencies
- No removed dependencies

yum-metadata-parser-1.0-8.fc6 - yum-metadata-parser-1.1.2-2.el5

- Group: **Development/Libraries**
- Summary: **A fast metadata parser for yum**
- Description:

```
Fast metadata parser for yum implemented in C.
```

- No added dependencies

- No removed dependencies

yum-rhn-plugin-0.5.2-3.el5 - yum-rhn-plugin-0.5.3-6.el5

- Group: **System Environment/Base**
- Summary: **RHN support for yum**
- Description:

```
This yum plugin provides support for yum to access a Red Hat Network
server for
software updates.
```

- No added dependencies
- No removed dependencies

yum-utils-1.0.4-3.el5 - yum-utils-1.1.10-9.el5

- Group: **Development/Tools**
- Summary: **Utilities based around the yum package manager**
- Description:

```
yum-utils is a collection of utilities and examples for the yum package
manager. It includes utilities by different authors that make yum easier
and
more powerful to use.
```

- No added dependencies
- No removed dependencies